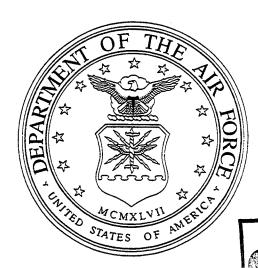
DEPARTMENT OF THE AIR FORCE





Military Construction and Family Housing

Justification Data Submitted to Congress February 1995

19950223 119



INSIDE THE UNITED STATES
OUTSIDE THE UNITED STATES
VARIOUS WORLDWIDE FAMILY HOUSING

TABLE OF CONTENTS FY 1996 PRESIDENT'S BUDGET

General	PAGE NU	MBER
Table of Contents	1	
Program Summary	2	
State List (List of Projects)	3	
New Mission/Current Mission Exhibit	16	
Military Construction		
Installation Index	30	
Special Program Considerations		
Statements	32	
Congressional Reporting Requirements	33	
Third Party Financing	34	
Non-MILCON Construction		
Research and Development	35	
Budget Data:		
Appropriations Language	. 36	
Program and Financing Schedule	36A	
Object Classification Schedule	36 S	
Projects Inside the United States	37	
Projects Outside the United States	344	on For
Planning and Design	395	RA&I
Unspecified Minor Construction	393	3 □ -10 6d □
SOne Million and Under	397	ation
Family Housing		See ADA27745C
	Sec. 1	lity Codes
	Dist	vail and/of Special
	2.50	opoutat
	A'	

DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996

	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	<u>APPROP</u>
MILITARY CONSTRUCTION	(Sec 2301)	(Sec 2304)	
Inside the United States	406,390	406,390	406,390
Brooks ADAL Communications Facility ⁽¹⁾	233	233	0
Kelly Communications Facility ⁽¹⁾	353	353	0
Langley Alter ACC Headquarters Facility(1)	263	263	0
Travis Hazardous Waste Storage Facility(1)	600	600	0
Outside the United States	49,400	49,400	49,400
Planning and Design	10 USC 2807	30,835	30,835
Unspecified Minor Construction	10 USC 2805	9,030	9,030
TOTAL MILITARY CONSTRUCTION	497,104	497,104	495,655
MILITARY FAMILY HOUSING	(Sec 2302/2303)	(Sec 2304)	
New Construction	154,900	154,900	154,900
Improvements	85,100	85,100	85,100
Planning and Design	9,000	9,000	9,000
Subtotal	249,000	249,000	249,000
Operations, Utilities, and Maintenance	733,500	733,500	733,500
Leasing Debt Payment ⁽²⁾	115,700	115,700	115,700
Subtotal	849,200	849,200	849,200
TOTAL MILITARY FAMILY HOUSING	1,098,200	1,098,200	1,098,200
GRAND TOTAL AIR FORCE	1,595,304	1,595,304	1,593,855

⁽¹⁾ Project authorization and authorization for appropriation in the amount of \$1.449M is requested in FY 1996 for the following four projects: Brooks AFB ADAL Communications Facility; Kelly AFB Communications Facility; Langley AFB Alter ACC Headquarters Facility; and Travis AFB Hazardous Waste Storage Facility. Appropriation is not requested in FY 1996.

⁽²⁾ Debt Payment cost of \$29,000 excluded due to rounding.

STATE/COUNTRY INSTALLAT		PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	
ALABAMA MAXWELL	AFB				
	CHILD DEVELOPMENT CENTER COMPLEX	3,700	3,700	3,700	38
	MAXWELL AFB TOTAL:	<u>3,700</u>	<u>3,700</u>	<u>3,700</u>	
	ALABAMA TOTAL:	<u>3,700</u>	<u>3,700</u>	<u>3,700</u> .	
ALASKA EIELSON AI	FB	t			
	ALTER DORMITORY	3,850	3,850	3,850	42
	EIELSON AFB TOTAL:	<u>3,850</u>	<u>3,850</u>	<u>3,850</u>	
ELMENDOR	F AFB				
	REPAIR AIRFIELD TAXIWAY	900	900	900	398
	MILSTAR COMMUNICATIONS GROUND TERMINAL	850	850	850	400
	VISITING OFFICERS QUARTERS	7,350	7,350	7,350	46
	ELMENDORF AFB TOTAL:	<u>9,100</u>	<u>9,100</u>	<u>9,100</u>	
TIN CITY L	RRS				
	ABOVEGROUND FUEL STORAGE TANKS	2,500	2,500	2,500	50
	TIN CITY LRRS TOTAL:	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	
	ALASKA TOTAL:	<u>15,450</u>	<u>15,450</u>	<u>15,450</u>	
ARIZONA DAVIS-MON	THAN AFB				
	ALTER AIRCRAFT CORROSION CONTROL FACILITY	1,000	1,000	1,000	402
	DORMITORY	3,800	3,800	3,800	54
	DAVIS-MONTHAN AFB TOTAL:	<u>4,800</u>	<u>4,800</u>	4,800	
LUKE AFB					
	DORMITORY	5,200	5,200	5,200	58
	LUKE AFB TOTAL:	<u>5,200</u>	<u>5,200</u>	<u>5,200</u>	
	ARIZONA TOTAL:	<u>10,000</u>	<u>10,000</u>	10,000	

			AUTH		
STATE/COUNTRY INSTALLATIO	<u>PROJECT</u>	PROJECT <u>AUTH</u>	FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
ARKANSAS LITTLE ROCK	(AFB				
	UPGRADE SANITARY SEWER SYSTEM	2,500	2,500	2,500	62
	LITTLE ROCK AFB TOTAL:	2,500	<u>2,500</u>	2,500	
	ARKANSAS TOTAL:	<u>2,500</u>	<u>2,500</u>	2,500	
CALIFORNIA BEALE AFB		ę			
	LANDFILL CLOSURE	7,500	7,500	7,500	66
	BEALE AFB TOTAL:	<u>7,500</u>	<u>7,500</u>	<u>7,500</u>	
EDWARDS A	FB .				
	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	12,100	12,100	12,100	70
	ADD TO AND ALTER ANECHOIC CHAMBER	11,100	11,100	11,100	73
	DORMITORY	10,600	10,600	10,600	76
	EDWARDS AFB TOTAL:	<u>33,800</u>	<u>33,800</u>	<u>33,800</u>	
TRAVIS AFB					
	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	7,400	7,400	7,400	80
	KC-10 ADD TO FLIGHT SIMULATOR FACILITY	2,400	2,400	2,400	83
	HAZARDOUS WASTE STORAGE FACILITY	600	600	0	404
	DORMITORY	6,400	6,400	6,400	86
	DORMITORIES	10,500	10,500	10,500	89
	TRAVIS AFB TOTAL:	<u>27,300</u>	<u>27,300</u>	<u>26,700</u>	
VANDENBERO	G AFB				
	FIRE STATION	2,000	2,000	2,000	93
	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	4,000	4,000	4,000	96
	VANDENBERG AFB TOTAL:	<u>6,000</u>	<u>6,000</u>	<u>6,000</u>	_
	CALIFORNIA TOTAL:	74,600	<u>74,600</u>	74,000	

STATE/COUNTRY INSTALLATION	<u>ON</u> <u>PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	
CLASSIFIED CLASSIFIED	LOCATION				
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	700	700	700	406
	CLASSIFIED LOCATION TOTAL:	<u>700</u>	<u>700</u>	<u>700</u>	
	CLASSIFIED TOTAL:	<u>700</u>	<u>700</u>	<u>700</u>	
COLORADO BUCKLEY A	NGB	÷			
	TROOP SUPPORT FACILITIES	5,500	5,500	5,500	101
	BUCKLEY ANGB TOTAL:	<u>5,500</u>	<u>5,500</u>	<u>5,500</u>	
PETERSON /	AFB				
	FIRE STATION	1,390	1,390	1,390	105
	ADD TO AND ALTER DORMITORY	3,000	3,000	3,000	108
	PETERSON AFB TOTAL:	<u>4,390</u>	<u>4,390</u>	<u>4,390</u>	
USAF ACADI	EMY				
	SAILPLANE HANGAR	3,724	3,724	3,724	112
	CHILD DEVELOPMENT CENTER	4,200	4,200	4,200	115
	UPGRADE FACILITIES HEATING SYSTEM	4,950	4,950	4,950	118
	USAF ACADEMY TOTAL:	12,874	12,874	<u>12,874</u>	
	COLORADO TOTAL:	<u>22,764</u>	<u>22,764</u>	<u>22,764</u>	
DELAWARE DOVER AFB					
	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,500	5,500	5,500	122
	DOVER AFB TOTAL:	<u>5,500</u>	<u> 5,500</u>	<u>5,500</u>	
	DELAWARE TOTAL:	<u>5,500</u>	<u>5,500</u>	<u>5,500</u>	
DISTRICT OF COLUMBIA BOLLING AFB					
	ALTER DORMITORY	6,500	6,500	6,500	126
	HONOR GUARD DORMITORY	5,600	5,600	5,600	129

STATE/COUNTRY INSTALLATION	<u>ON</u> <u>PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	PAGE
	BOLLING AFB TOTAL:	<u>12,100</u>	12,100	<u>12,100</u>	
	DISTRICT OF COLUMBIA TOTAL:	<u>12,100</u>	12,100	<u>12,100</u>	
FLORIDA CAPE CANA	VERAL AFS				
	FIRE TRAINING FACILITY	1,600	1,600	1,600	133
	CAPE CANAVERAL AFS TOTAL:	<u>1,600</u>	1,600	1,600	
EGLIN AFB		:			
	REPAIR RUNWAY	6,200	6,200	6,200	137
	EGLIN AFB TOTAL:	<u>6,200</u>	<u>6,200</u>	<u>6,200</u>	
TYNDALL AF	В	•			
	FIRE TRAINING FACILITY	1,200	1,200	1,200	141
	TYNDALL AFB TOTAL:	<u>1,200</u>	<u>1,200</u>	<u>1,200</u>	
	FLORIDA TOTAL:	<u>9,000</u>	<u>9,000</u>	<u>9,000</u>	
GEORGIA MOODY AFB					
	C-130 AERIAL DELIVERY FACILITY	4,600	4,600	4,600	145
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	3,200	3,200	148
	CONTROL TOWER	2,700	2,700	2,700	151
	C-130 AIRCRAFT WASHRACK FACILITY	1,700	1,700	1,700	154
	UPGRADE STORM DRAINAGE SYSTEM	690	690	690	407
	MOODY AFB TOTAL:	<u>12,890</u>	<u>12,890</u>	12,890	
ROBINS AFB					
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	6,900	6,900	159
	ROBINS AFB TOTAL:	<u>6,900</u>	<u>6,900</u>	<u>6,900</u>	
	GEORGIA TOTAL:	<u>19,790</u>	<u>19,790</u>	<u>19,790</u>	
HAWAII HICKAM AFB					
	REPAIR AIRFIELD PAVEMENTS	4,550	4,550	4,550	163
			Page No.	6	

STATE/COUNTRY INSTALLATI	ON PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
	ALTER DORMITORY	3,100	3,100	3,100	166
	ALTER TRANSIENT DORMITORY	3,050	3,050	3,050	169
	HICKAM AFB TOTAL:	<u>10,700</u>	10,700	10,700	
	HAWAII TOTAL:	<u>10,700</u>	10,700	10,700	
IDAHO MOUNTAIN	HOME AFB				
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	8,000	8,000	173
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,850	9,850	9,850	176
	UPGRADE STORM DRAINAGE SYSTEM	800	800	800	409
	MOUNTAIN HOME AFB TOTAL:	<u>18,650</u>	<u>18,650</u>	<u>18,650</u>	
	IDAHO TOTAL:	<u>18,650</u>	<u>18,650</u>	<u>18,650</u>	
ILLINOIS SCOTT AFB					
•	DORMITORY	8,000	8,000	8,000	180
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	4,700	4,700	183
	SCOTT AFB TOTAL:	<u>12,700</u>	<u>12,700</u>	12,700	
	ILLINOIS TOTAL:	<u>12,700</u>	<u>12,700</u>	<u>12,700</u>	
KANSAS MCCONNELL	. AFB		·		
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,100	6,100	6,100	187
	ALTER DORMITORY	2,200	2,200	2,200	190
	DEICING PAD	1,150	1,150	1,150	193
	MCCONNELL AFB TOTAL:	<u>9,450</u>	<u>9,450</u>	9,450	
	KANSAS TOTAL:	<u>9,450</u>	9,450	<u>9,450</u>	
LOUISIANA BARKSDALE	AFB				
	B-52 TRAINING COMPLEX	2,500	2,500	2,500	197

			AUTH		
STATE/COUNTRY INSTALLATION	ON PROJECT	PROJECT <u>AUTH</u>	FOR APPROP	APPROP AMOUNT	PAGE
	BARKSDALE AFB TOTAL:	2,500	<u>2,500</u>	<u>2,500</u>	
	LOUISIANA TOTAL:	<u>2,500</u>	<u>2,500</u>	<u>2,500</u>	
MARYLAND ANDREWS A	FB				
	UNDERGROUND FUEL STORAGE TANKS	6,886	6,886	6, 886	201
	DORMITORY	6,000	6,000	6,000	204
	ANDREWS AFB TOTAL:	<u>12,886</u>	<u>12,886</u>	12,886	
	MARYLAND TOTAL:	<u>12,886</u>	<u>12,886</u>	<u>12,886</u>	
MISSISSIPPI COLUMBUS	AFB				
	FIRE TRAINING FACILITY	1,150	1,150	1,150	207
	COLUMBUS AFB TOTAL:	<u>1,150</u>	<u>1,150</u>	<u>1,150</u>	
KEESLER AF	В				
	UPGRADE STUDENT DORMITORY	6,500	6,500	6,500	211
	KEESLER AFB TOTAL:	<u>6,500</u>	<u>6,500</u>	<u>6,500</u>	
	MISSISSIPPI TOTAL:	<u>7,650</u>	<u>7,650</u>	<u>7,650</u>	
MISSOURI WHITEMAN A	FB .				
	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	1,500	1,500	1,500	215
	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	4,100	4,100	4,100	217
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,500	15,500	15,500	220
	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	3,500	3,500	3,500	223
	WHITEMAN AFB TOTAL:	24,600	24,600	24,600	
	MISSOURI TOTAL:	24,600	24,600	24,600	
NEVADA NELLIS AFB					
	VISITING QUARTERS	9,900	9,900	9,900	227

STATE/COUNTRY INSTALLATI	<u> PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
	UPGRADE STORM DRAINAGE SYSTEM	600	600	600	411
	NELLIS AFB TOTAL:	<u>10,500</u>	10,500	<u>10,500</u>	
	<u>NEVADA TOTAL:</u>	<u>10,500</u>	<u>10,500</u>	<u>10,500</u>	
NEW JERSEY MCGUIRE A	FB				
	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	7,600	7,600	7,600	231
	FIRE TRAINING FACILITY	1,600	1,600	1,600	234
	MCGUIRE AFB TOTAL:	9,200	9,200	<u>9,200</u>	
	NEW JERSEY TOTAL:	<u>9,200</u>	9,200	9,200	
NEW MEXICO CANNON AF	В				
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,800	9,800	9,800	238
	UPGRADE STORM DRAINAGE SYSTEM	620	620	620	413
	CANNON AFB TOTAL:	<u>10,420</u>	<u>10,420</u>	<u>10,420</u>	
KIRTLAND A	LFB				
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	7,656	7,656	7,656	242
	UPGRADE STORM DRAINAGE SYSTEM	1,500	1,500	1,500	245
	KIRTLAND AFB TOTAL:	<u>9,156</u>	<u>9,156</u>	<u>9,156</u>	
	NEW MEXICO TOTAL:	<u>19,576</u>	<u>19,576</u>	<u>19,576</u>	
NORTH CAROLINA POPE AFB					
	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	6,100	6,100	6,100	249
	UNDERGROUND FUEL STORAGE TANKS	2,150	2,150	2,150	252
	POPE AFB TOTAL:	<u>8,250</u>	<u>8,250</u>	<u>8,250</u>	
SEYMOUR J	DHNSON AFB				
	UPGRADE STORM DRAINAGE SYSTEM	830	830	830	415
	SEYMOUR JOHNSON AFB TOTAL:	<u>830</u>	<u>830</u>	<u>830</u>	

STATE/COUNTRY INSTALLATIO	<u>PROJECT</u> <u>NORTH CAROLINA TOTAL:</u>	PROJECT <u>AUTH</u> 9,080	AUTH FOR APPROP 9,080	APPROP <u>AMOUNT</u> <u>9,080</u>	PAGE
NORTH DAKOTA GRAND FORE	KS AFB				
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	6,300	6,300	257
	DORMITORY	8,500	8,500	8,500	260
	GRAND FORKS AFB TOTAL:	14,800	14,800	14,800	
MINOT AFB		;			
	UNDERGROUND FUEL STORAGE TANKS	1,550	1,550	1,550	264
	MINOT AFB TOTAL:	<u>1,550</u>	<u>1,550</u>	<u>1,550</u>	
	NORTH DAKOTA TOTAL:	16,350	<u>16,350</u>	<u>16,350</u>	
OHIO WRIGHT-PAT	TERSON AFB				
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	4,100	4,100	268
	WRIGHT-PATTERSON AFB TOTAL:	4,100	4,100	<u>4,100</u>	
	OHIO TOTAL:	<u>4,100</u>	<u>4,100</u>	<u>4,100</u>	
OKLAHOMA ALTUS AFB					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	272
	ALTUS AFB TOTAL:	1,200	<u>1,200</u>	<u>1,200</u>	
TINKER AFB					
	ADD TO AND ALTER DORMITORIES	5,100	5,100	5,100	276
	TINKER AFB TOTAL:	<u>5,100</u>	<u>5,100</u>	<u>5,100</u>	
	OKLAHOMA TOTAL:	<u>6,300</u>	<u>6,300</u>	<u>6,300</u>	
SOUTH CAROLINA CHARLESTON	AFB				
	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	5,600	5,600	281
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	1,300	1,300	25
	DORMITORY	5,600	5,600	5,600	287
			Page No.	10	

STATE/COUNTRY	DDOIECT	PROJECT AUTH	AUTH FOR APPROP	APPROP AMOUNT	PAGE
INSTALLATIO		12,500	12,500	12,500	FAGE
CHAW AFD	CHARLESTON AFB TOTAL:	12,000	12,000	121000	
SHAW AFB	LIBORADE CTORIA PRAINACE CANTEM	1 200	1,300	1 200	291
	UPGRADE STORM DRAINAGE SYSTEM	1,300	•	1,300	291
	SHAW AFB TOTAL:	<u>1,300</u>	<u>1,300</u>	<u>1,300</u>	
	SOUTH CAROLINA TOTAL:	<u>13,800</u>	<u>13,800</u>	<u>13,800</u>	
TENNESSEE ARNOLD AFE	3	:		·	
	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	2,300	2,300	295
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	2,700	2,700	298
	ARNOLD AFB TOTAL:	<u>5,000</u>	<u>5,000</u>	<u>5,000</u>	
	TENNESSEE TOTAL:	<u>5,000</u>	<u>5,000</u>	<u>5,000</u>	
TEXAS BROOKS AFI	B				
	ADD TO AND ALTER COMMUNICATIONS FACILITY	233	233	0	417
	BROOKS AFB TOTAL:	<u>233</u>	<u>233</u>	<u>o</u>	
KELLY AFB					
	COMMUNICATIONS FACILITY	353	353	0	419
	WING HEADQUARTERS FACILITY	3,244	3,244	3,244	303
	KELLY AFB TOTAL:	<u>3,597</u>	<u>3,597</u>	3,244	
LAUGHLIN AI	FB				
	FIRE TRAINING FACILITY	1,400	· 1,400	1,400	307
	LAUGHLIN AFB TOTAL:	<u>1,400</u>	<u>1,400</u>	<u>1,400</u>	
RANDOLPH A	AFB				
	UPGRADE AIRFIELD LIGHTING	1,900	1,900	1,900	311
	FIRE TRAINING FACILITY	1,200	1,200	1,200	314
	RANDOLPH AFB TOTAL:	<u>3,100</u>	<u>3,100</u>	<u>3,100</u>	
REESE AFB					
	FIRE TRAINING FACILITY	1,200	1,200	1,200	318
			Page No.	11	

STATE/COUNTRY		PROJECT	AUTH FOR	APPROP	
INSTALLATI		<u>AUTH</u>	<u>APPROP</u>	AMOUNT	<u>PAGE</u>
	REESE AFB TOTAL:	<u>1,200</u>	1,200	<u>1,200</u>	
SHEPPARD	AFB				
	UPGRADE AIRFIELD LIGHTING	1,500	1,500	1,500	322
	SHEPPARD AFB TOTAL:	<u>1,500</u>	<u>1,500</u>	<u>1,500</u>	
	TEXAS TOTAL:	<u>11,030</u>	<u>11,030</u>	10,444	
VIRGINIA LANGLEY AI	FB	:			
	ALTER ACC HEADQUARTERS FACILITY	263	263	0	421
	UPGRADE STORM DRAINAGE SYSTEM	1,000	1,000	1,000	423
	LANGLEY AFB TOTAL:	<u>1,263</u>	<u>1,263</u>	<u>1,000</u>	
	VIRGINIA TOTAL:	<u>1,263</u>	<u>1,263</u>	<u>1,000</u>	
WASHINGTON FAIRCHILD	AFB				
	ALTER DORMITORIES	7,500	7,500	7,500	327
	FAIRCHILD AFB TOTAL:	<u>7,500</u>	<u>7,500</u>	<u>7,500</u>	
MCCHORD A	AFB				
	SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	5,600	5,600	331
	DORMITORY	4,300	4,300	4,300	334
	MCCHORD AFB TOTAL:	<u>9,900</u>	<u>9,900</u>	<u>9,900</u>	
	WASHINGTON TOTAL:	<u>17,400</u>	<u>17,400</u>	<u>17,400</u>	
WYOMING F E WARREN	AFB			MSG,	
	ALTER DORMITORIES	5,500	5,500	5,500	338
	UPGRADE CENTRAL HEAT PLANT	3,500	3,500	3,500	341
	F E WARREN AFB TOTAL:	9,000	9,000	<u>9,000</u>	
	WYOMING TOTAL:	9,000	9,000	9,000	
	INSIDE THE U.S. TOTAL:	407,839	<u>407,839</u>	406,390	

STATE/COUNTRY INSTALLATI	ON PROJECT	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
CLASSIFIED CLASSIFIED	LOCATION				
	VEHICLE MAINTENANCE FACILITY	1,600	1,600	1,600	345
	WAR READINESS MATERIAL WAREHOUSES	15,500	15,500	15,500	348
	CLASSIFIED LOCATION TOTAL:	<u>17,100</u>	<u>17,100</u>	<u>17,100</u>	
	CLASSIFIED TOTAL:	<u>17,100</u>	<u>17,100</u>	<u>17,100</u>	
GERMANY SPANGDAH	LEM AB	ť			
	SOUND SUPPRESSOR FOUNDATION	600	600	600	425
	SOUND SUPPRESSOR FOUNDATION	950	950	950	428
	ADD TO MISSILE MAINTENANCE SHOP	930	930	930	431
	DORMITORY	5,900	5,900	5,900	352
	SPANGDAHLEM AB TOTAL:	<u>8,380</u>	<u>8,380</u>	<u>8,380</u>	
VOGELWEH	ANNEX				
	CHILD DEVELOPMENT CENTER	2,600	2,600	2,600	356
	VOGELWEH ANNEX TOTAL:	<u>2,600</u>	<u>2,600</u>	2,600	
	GERMANY TOTAL:	<u>10,980</u>	10,980	<u>10,980</u>	
GREECE ARAXOS RR	s				
	DORMITORY	1,950	1,950	1,950	360
	ARAXOS RRS TOTAL:	<u>1,950</u>	<u>1,950</u>	<u>1,950</u>	
	GREECE TOTAL:	<u>1,950</u>	<u>1,950</u>	<u>1,950</u>	
ITALY AVIANO AB					
	SQUADRON OPERATIONS FACILITY	950	950	950	433
	COMMUNICATIONS MAINTENANCE FACILITY	1,400	1,400	1,400	364
	AVIANO AB TOTAL:	<u>2,350</u>	<u>2,350</u>	<u>2,350</u>	

STATE/COUNTRY INSTALLATION PROJECT GHEDI RRS	PROJECT <u>AUTH</u>	AUTH FOR <u>Approp</u>	APPROP AMOUNT	
DORMITORY	1,450	1,450	1,450	368
GHEDI RRS TOTAL:	<u>1,450</u>	<u>1,450</u>	<u>1.450</u>	
ITALY TOTAL:	<u>3,800</u>	<u>3,800</u>	<u>3,800</u>	
TURKEY ANKARA AS				
LONG PERIOD SEISMIC ARRAY	3,000	3,000	3,000	372
SHORT PERIOD SEISMIC ARRAY	4,000	4,000	4,000	375
ANKARA AS TOTAL:	<u>7,000</u>	<u>7,000</u>	<u>7,000</u>	
INCIRLIK AB		•		
CHILD DEVELOPMENT CENTER	1,600	1,600	1,600	379
UPGRADE SEWAGE TREATMENT PLANT	2,900	2,900	2,900	382
INCIRLIK AB TOTAL:	<u>4,500</u>	4,500	<u>4,500</u>	
TURKEY TOTAL:	11,500	<u>11,500</u>	<u>11.500</u>	
UNITED KINGDOM RAF LAKENHEATH				
ADD TO MISSILE MAINTENANCE SHOP	1,820	1,820	1,820	386
RAF LAKENHEATH TOTAL:	1,820	<u>1,820</u>	<u>1,820</u>	
RAF MILDENHALL				
ADD TO AND ALTER CHILD DEVELOPMENT CENTER	2,250	2,250	2,250	390
RAF MILDENHALL TOTAL:	<u>2,250</u>	<u>2,250</u>	2,250	
UNITED KINGDOM TOTAL:	4,070	<u>4,070</u>	<u>4,070</u>	
OUTSIDE THE U.S. TOTAL:	<u>49,400</u>	49,400	<u>49,400</u>	

STATE/COUNTRY INSTALLATION VARIOUS VARIOUS LOCATION:	<u>PROJECT</u>	PROJECT <u>AUTH</u>	AUTH FOR <u>APPROP</u>	APPROP AMOUNT	<u>PAGE</u>
VARIOUS LOCATION	•				
UNSPE	CIFIED MINOR CONSTRUCTION	9,030	9,030	9,030	394
PLANN	IING AND DESIGN	30,835	30,835	30,835	396
<u>v</u>	ARIOUS LOCATIONS TOTAL:	<u>39,865</u>	<u>39,865</u>	<u>39,865</u>	
	VARIOUS TOTAL:	<u>39,865</u>	<u>39,865</u>	<u>39,865</u>	
	WORLDWIDE TOTAL:	<u>39,865</u>	<u>39,865</u>	39,865	
	FY 1996 TOTAL:	497,104	<u>497,104</u>	<u>495,655</u>	

DEFINITIONS OF NEW AND CURRENT MISSION

<u>NEW MISSION PROJECTS</u> - These projects support the deployment and beddown of new weapons systems, new or additional aircraft, missile, and space projects and support of new equipment such as radars, communications, computers, satellite tracking and electronic security. New mission projects all support new programs and initiatives that do not revitalize the existing physical plant. The projects support new and additional requirements. Planning and design and minor construction are also included in this category.

<u>CURRENT MISSION PROJECTS</u> - These projects revitalize the existing facility plant by replacement or upgrading existing facilities and by alleviating long standing deficiencies not generated by new missions or equipment. Included are projects to improve the quality of life, upgrade the workplace and projects to increase productivity and achieve compliance with environmental, health and safety standards.

<u>FY 96</u>	<u>(\$0</u> 00)
NEW MISSION	\$189,765
CURRENT MISSION	\$305,890
TOTAL:	\$495,655

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	<u>TYPE</u>
ALABAMA			
MAXWELL AFB			
	CHILD DEVELOPMENT CENTER COMPLEX	3,700	CM
	MAXWELL AFB TOTAL:	<u>3,700</u>	
	ALABAMA TOTAL:	<u>3,700</u>	
ALASKA			
EIELSON AFB	•		
	ALTER DORMITORY	3,850	CM
	EIELSON AFB TOTAL:	<u>3,850</u>	
ELMENDORF AFE	3		
	REPAIR AIRFIELD TAXIWAY	900	CM
	MILSTAR COMMUNICATIONS GROUND TERMINAL	850	NM
	VISITING OFFICERS QUARTERS	7,350	CM
	ELMENDORF AFB TOTAL:	9,100	
TIN CITY LRRS			
	ABOVEGROUND FUEL STORAGE TANKS	2,500	CME
	TIN CITY LRRS TOTAL:	<u>2,500</u>	
	ALASKA TOTAL:	<u>15,450</u>	
ARIZONA			
DAVIS-MONTHAN	AFB		
	ALTER AIRCRAFT CORROSION CONTROL FACILITY	1,000	CME
	DORMITORY	3,800	NM
	DAVIS-MONTHAN AFB TOTAL:	4,800	
LUKE AFB			
	DORMITORY	5,200	NM
	LUKE AFB TOTAL:	<u>5,200</u>	

Legend:

CM - Current Mission

CME - Current Mission Environmental

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	ARIZONA TOTAL:	<u>10,000</u>	
ARKANSAS			
LITTLE ROCK A	FB		
	UPGRADE SANITARY SEWER SYSTEM	2,500	CME
	LITTLE ROCK AFB TOTAL:	<u>2,500</u>	
	ARKANSAS TOTAL:	<u>2,500</u>	
CALIFORNIA		:	
BEALE AFB			
	LANDFILL CLOSURE	7,500	CME
	BEALE AFB TOTAL:	<u>7,500</u>	
EDWARDS AFB		•	
	F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY	12,100	NM
	ADD TO AND ALTER ANECHOIC CHAMBER	11,100	NM
	DORMITORY	10,600	CM
	EDWARDS AFB TOTAL:	<u>33,800</u>	
TRAVIS AFB		•	
	SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	7,400	CM
	KC-10 ADD TO FLIGHT SIMULATOR FACILITY	2,400	NM
	DORMITORY	6,400	CM
	DORMITORIES	10,500	СМ
	TRAVIS AFB TOTAL:	<u>26,700</u>	
VANDENBERG AI	FB		
	FIRE STATION	2,000	CM

Legend: CM - Current Mission

CME - Current Mission Environmental NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY	4,000	CM
	VANDENBERG AFB TOTAL:	<u>6,000</u>	
	CALIFORNIA TOTAL:	<u>74,000</u>	
CLASSIFIED			
CLASSIFIED LOC	CATION		
	SPECIAL TACTICAL UNIT DETACHMENT FACILITY	700	NM
	CLASSIFIED LOCATION TOTAL:	· <u>700</u>	
	CLASSIFIED TOTAL:	<u>700</u>	
COLORADO			
BUCKLEY ANGB			
	TROOP SUPPORT FACILITIES	5,500	NM
	BUCKLEY ANGB TOTAL:	<u>5,500</u>	
PETERSON AFB	•		
	FIRE STATION	1,390	CM
	ADD TO AND ALTER DORMITORY	3,000	CM
	PETERSON AFB TOTAL:	<u>4,390</u>	
USAF ACADEMY			
	SAILPLANE HANGAR	3,724	CM
	CHILD DEVELOPMENT CENTER	4,200	СМ
	UPGRADE FACILITIES HEATING SYSTEM	4,950	CM
	USAF ACADEMY TOTAL:	12,874	
	COLORADO TOTAL:	22,764	
DELAWARE			
DOVER AFB			
	C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,500	СМ
	DOVER AFB TOTAL:	<u>5,500</u>	

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	<u> TYPE</u>
	DELAWARE TOTAL:	<u>5,500</u>	
DISTRICT OF COLUM	BIA		
BOLLING AFB			
	ALTER DORMITORY	6,500	СМ
	HONOR GUARD DORMITORY	5,600	СМ
	BOLLING AFB TOTAL:	<u>12,100</u>	
	DISTRICT OF COLUMBIA TOTAL:	<u>12,100</u>	
FLORIDA			
CAPE CANAVERA	IL AF8		
	FIRE TRAINING FACILITY	1,600	CME
	CAPE CANAVERAL AFS TOTAL:	<u>1,600</u>	
EGLIN AFB		•	
	REPAIR RUNWAY	6,200	CM
	EGLIN AFB TOTAL:	<u>6,200</u>	
TYNDALL AFB			
	FIRE TRAINING FACILITY	1,200	CME
	TYNDALL AFB TOTAL:	<u>1,200</u>	
	FLORIDA TOTAL:	9,000	
GEORGIA			
MOODY AFB			
	C-130 AERIAL DELIVERY FACILITY	4,600	NM
	C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	3,200	NM
	CONTROL TOWER	2,700	СМ
	C-130 AIRCRAFT WASHRACK FACILITY	_ 1,700	NM
	UPGRADE STORM DRAINAGE SYSTEM	690	CME
	MOODY AFB TOTAL:	<u>12,890</u>	

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
ROBINS AFB			
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	6,900	NM
	ROBINS AFB TOTAL:	6,900	
	GEORGIA TOTAL:	<u>19,790</u>	
HAWAII			
HICKAM AFB			
	REPAIR AIRFIELD PAVEMENTS	4,550	CM
	ALTER DORMITORY	3,100	CM
	ALTER TRANSIENT DORMITORY	3,050	CM
	HICKAM AFB TOTAL:	<u>10,700</u>	
	HAWAII TOTAL:	<u>10,700</u>	
IDAHO			
MOUNTAIN HOMI	E AFB		
	IDAHO TRAINING RANGE (NORTH SITE)	8,000	NM
	WASTEWATER TREATMENT AND DISPOSAL PLANT	. 9, 85 0	CME
	UPGRADE STORM DRAINAGE SYSTEM	800	CME
	MOUNTAIN HOME AFB TOTAL:	<u>18,650</u>	
	IDAHO TOTAL:	<u>18,650</u>	
IШNOIS			
SCOTT AFB			
	DORMITORY	8,000	СМ
	GLOBAL REACH PLANNING CENTER VISITING QUARTERS	4,700	CM
	SCOTT AFB TOTAL:	12,700	
	ILLINOIS TOTAL:	12,700	

Legend: CM - Current Mission

CME - Current Mission Environmental

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROF AMOUNT	
KANSAS			
MCCONNELL AFB	1		
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,	100 NM
	ALTER DORMITORY	2,	200 CM
	DEICING PAD	1,	150 CME
	MCCONNELL AFB TOTAL:	9,	<u>450</u>
	KANSAS TOTAL:	· <u>9</u> ,	<u>450</u>
LOUISIANA			
BARKSDALE AFB			
	B-52 TRAINING COMPLEX	2,	500 NM
	BARKSDALE AFB TOTAL:	<u>2,</u>	<u>500</u>
	LOUISIANA TOTAL:	2,	<u>500</u>
MARYLAND			
ANDREWS AFB			
	UNDERGROUND FUEL STORAGE TANKS	6,5	886 CME
	DORMITORY	6,0	000 см
	ANDREWS AFB TOTAL:	<u>12,</u> (<u>386</u>
	MARYLAND TOTAL:	12,	<u> 386</u>
MISSISSIPPI			
COLUMBUS AFB		•	
	FIRE TRAINING FACILITY	1,	150 CME
	COLUMBUS AFB TOTAL:	1.	<u>150</u>
KEESLER AFB		•	
	UPGRADE STUDENT DORMITORY	6,	500 CM
	KEESLER AFB TOTAL:	<u>6,</u>	500
	MISSISSIPPI TOTAL:	<u>7.</u> (<u>650</u>

Legend: CM - Current Mission

CME - Current Mission Environmental

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
MISSOURI			
WHITEMAN AFB			
	B-2 ADD TO AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	1,500	NM
	B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY	4,100	NM
	B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	15,500	NM
	B-2 ADD TO AND ALTER DOCK FIRE PROTECTION SYSTEMS	: 3,500	NM
	WHITEMAN AFB TOTAL:	<u>24,600</u>	
	MISSOURI TOTAL:	24,600	
NEVADA			
NELLIS AFB		•	
	VISITING QUARTERS	9,900	CM
	UPGRADE STORM DRAINAGE SYSTEM	600	CME
	NELLIS AFB TOTAL:	<u>10,500</u>	
	NEVADA TOTAL:	10,500	
NEW JERSEY			
MCGUIRE AFB			
	KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	7,600	NM
	FIRE TRAINING FACILITY	1,600	CME
	MCGUIRE AFB TOTAL:	<u>9,200</u>	
	NEW JERSEY TOTAL:	<u>9,200</u>	
NEW MEXICO			
CANNON AFB		•	
	WASTEWATER TREATMENT AND DISPOSAL PLANT	9,800	CME
	UPGRADE STORM DRAINAGE SYSTEM	620	CME
	CANNON AFB TOTAL:	10,420	

Legend: CM - Current Mission

CME - Current Mission Environmental

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	<u>TYPE</u>
KIRTLAND AFB			
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	7,656	CM
	UPGRADE STORM DRAINAGE SYSTEM	1,500	CME
	KIRTLAND AFB TOTAL:	<u>9,156</u>	
	NEW MEXICO TOTAL:	<u>19,576</u>	
NORTH CAROLINA			
POPE AFB	*	:	
	C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	6,100	NM
	UNDERGROUND FUEL STORAGE TANKS	2,150	CME
	POPE AFB TOTAL:	<u>8,250</u>	
SEYMOUR JOHN	SON AFB		
	UPGRADE STORM DRAINAGE SYSTEM	830	CME
	SEYMOUR JOHNSON AFB TOTAL:	<u>830</u>	
	NORTH CAROLINA TOTAL:	9,080	
NORTH DAKOTA			
GRAND FORKS A	AFB		
	KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	6,300	NM
	DORMITORY	8,500	CM
	GRAND FORKS AFB TOTAL:	14,800	
MINOT AFB			
	UNDERGROUND FUEL STORAGE TANKS	1,550	CME
,	MINOT AFB TOTAL:	<u>1,550</u>	
	NORTH DAKOTA TOTAL:	<u>16,350</u>	
оню			
WRIGHT-PATTER	SON AFB		
	UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	4,100	СМ

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
	WRIGHT-PATTERSON AFB TOTAL:	<u>4,100</u>	
	OHIO TOTAL:	<u>4,100</u>	
OKLAHOMA			
ALTUS AFB			
	FIRE TRAINING FACILITY	1,200	CME
	ALTUS AFB TOTAL:	<u>1,200</u>	
TINKER AFB		•	
	ADD TO AND ALTER DORMITORIES	5,100	CM
	TINKER AFB TOTAL:	<u>5,100</u>	
	OKLAHOMA TOTAL:	<u>6,300</u>	
SOUTH CAROLINA			
CHARLESTON A	FB		
	C-17 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	NM
	C-17 ADD TO FLIGHT SIMULATOR FACILITY	1,300	NM
	DORMITORY	5,600	СМ
	CHARLESTON AFB TOTAL:	12,500	
SHAW AFB			
	UPGRADE STORM DRAINAGE SYSTEM	1,300	CME
	SHAW AFB TOTAL:	1,300	
	SOUTH CAROLINA TOTAL:	<u>13,800</u>	
TENNESSEE			
ARNOLD AFB			
	UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYSTEM, PLANT B	2,300	CME
	UPGRADE FIRE PROTECTION SYSTEMS	2,700	CM
	ARNOLD AFB TOTAL:	<u>5,000</u>	
	TENNESSEE TOTAL:	<u>5,000</u>	

Legend: CM - Current Mission

CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
TEXAS			
KELLY AFB			
	WING HEADQUARTERS FACILITY	3,244	СМ
	KELLY AFB TOTAL:	<u>3,244</u>	
LAUGHLIN AFB			
	FIRE TRAINING FACILITY	1,400	CME
	LAUGHLIN AFB TOTAL:	: <u>1,400</u>	
RANDOLPH AFB			
	UPGRADE AIRFIELD LIGHTING	1,900	CM
	FIRE TRAINING FACILITY	1,200	CME
	RANDOLPH AFB TOTAL:	<u>3,100</u>	
REESE AFB			
	FIRE TRAINING FACILITY	1,200	CME
	REESE AFB TOTAL:	<u>1,200</u>	
SHEPPARD AFB			
	UPGRADE AIRFIELD LIGHTING	1,500	CM
	SHEPPARD AFB TOTAL:	<u>1,500</u>	
	TEXAS TOTAL:	<u>10,444</u>	
VIRGINIA	·		•
LANGLEY AFB			
	UPGRADE STORM DRAINAGE SYSTEM	1,000	CME
	LANGLEY AFB TOTAL:	1,000	
	VIRGINIA TOTAL:	1,000	
WASHINGTON			
FAIRCHILD AFB			
	ALTER DORMITORIES	7,500	CM
	FAIRCHILD AFB TOTAL:	<u>7,500</u>	

Legend: CM - Current Mission

CME - Current Mission Environmental

NM - New Mission

STATE/COUNTRY INSTALLATION	PROJECT	APPROP <u>AMOUNT</u>	TYPE
MCCHORD AFB			
	SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	5,600	СМ
	DORMITORY	4,300	CM
	MCCHORD AFB TOTAL:	9,900	
	WASHINGTON TOTAL:	<u>17,400</u>	
WYOMING			
F E WARREN AFE	1	t	
	ALTER DORMITORIES	5,500	СМ
	UPGRADE CENTRAL HEAT PLANT	3,500	CM
	F E WARREN AFB TOTAL:	<u>9,000</u>	
	WYOMING TOTAL:	9,000	
	INSIDE THE U.S. TOTAL:	<u>406,390</u>	
CLASSIFIED			
CLASSIFIED LOC	ATION		
	VEHICLE MAINTENANCE FACILITY	1,600	NM
	WAR READINESS MATERIAL WAREHOUSES	15,500	NM
	CLASSIFIED LOCATION TOTAL:	<u>17,100</u>	
	CLASSIFIED TOTAL:	<u>17,100</u>	
GERMANY			
SPANGDAHLEM A	В		
	SOUND SUPPRESSOR FOUNDATION	600	NM
	SOUND SUPPRESSOR FOUNDATION	950	NM
	ADD TO MISSILE MAINTENANCE SHOP	930	NM
	DORMITORY	5,900	CM
	SPANGDAHLEM AB TOTAL:	<u>8,380</u>	

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	PROJECT	APPROP AMOUNT	TYPE
VOGELWEH ANNI	ex		
	CHILD DEVELOPMENT CENTER	2,600	CM
	VOGELWEH ANNEX TOTAL:	2,600	
	GERMANY TOTAL:	10,980	
GREECE			
ARAXOS RRS		•	
	DORMITORY	1,950	CM
	ARAXOS RRS TOTAL:	<u>1,950</u>	
	GREECE TOTAL:	<u>1,950</u>	
ITALY			
AVIANO AB			
	SQUADRON OPERATIONS FACILITY	950	NM
	COMMUNICATIONS MAINTENANCE FACILITY	1,400	NM
	AVIANO AB TOTAL:	<u>2,350</u>	
GHEDI RRS			
	DORMITORY	1,450	CM
	GHEDI RRS TOTAL:	<u>1,450</u>	
	ITALY TOTAL:	<u> 3,800</u>	
TURKEY			
ANKARA AB			
	LONG PERIOD SEISMIC ARRAY	3,000	CM
	SHORT PERIOD SEISMIC ARRAY	4,000	CM
	ANKARA AB TOTAL:	<u>7,000</u>	
INCIRLIK AB			
	CHILD DEVELOPMENT CENTER	1,600	CM

Legend: CM - Current Mission CME - Current Mission Environmental

NM - New Mission WW - New Mission Worldwide

STATE/COUNTRY INSTALLATION	<u>PROJECT</u>	APPROP AMOUNT	TYPE
	UPGRADE SEWAGE TREATMENT PLANT	2,900	CME
	INCIRLIK AB TOTAL:	<u>4,500</u>	
	TURKEY TOTAL:	<u>11,500</u>	
UNITED KINGDOM			
RAF LAKENHEAT	TH		
	ADD TO MISSILE MAINTENANCE SHOP	1,820	NM
	RAF LAKENHEATH TOTAL:	<u>1,820</u>	
RAF MILDENHAL	L		
	ADD TO AND ALTER CHILD DEVELOPMENT CENTER	2,250	CM
	RAF MILDENHALL TOTAL:	<u>2,250</u>	
	UNITED KINGDOM TOTAL:	4,070	
	OUTSIDE THE U.S. TOTAL:	<u>49,400</u>	
VARIOUS			
VARIOUS LOCATI	ions		
	UNSPECIFIED MINOR CONSTRUCTION	9,030	ww
	PLANNING AND DESIGN	30,835	ww
	VARIOUS LOCATIONS TOTAL:	<u>39,865</u>	
	VARIOUS TOTAL:	<u>39,865</u>	
	WORLDWIDE TOTAL:	<u>39,865</u>	
	FY 1996 TOTAL:	<u>495,655</u>	

Legend: CM - Current Mission

CME - Current Mission Environmental NM - New Mission

DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1996 PRESIDENT'S BUDGET INSTALLATION INDEX

INSTALLATION	COMMAND	STATE/COUNTRY	PAGE
ALTUS AFB	AETC	OKLAHOMA	271
ANDREWS AFB	AMC	MARYLAND	371
ANKARA AS	USAFE	TURKEY	200
ARAXOS RRS	USAFE	GREECE	359
ARNOLD AFB	AFMC	TENNESSEE	294
	USAFE	ITALY	363
AVIANO AB	USAFE	IIALI	303
BARKSDALE AFB	ACC	LOUISIANA	196
BEALE AFB	ACC	CALIFORNIA	65
BOLLING AFB	AFDW	DISTRICT OF COLUMBIA	125
BROOKS AFB	AFMC	TEXAS :	301
BUCKLEY ANGB	AFMC	COLORADO	100
CANNON AFB	ACC	NEW MEXICO	237
CAPE CANAVERAL AFS	SPACECOM	FLORIDA	132
CHARLESTON AFB	AMC	SOUTH CAROLINA	279
CLASSIFIED LOCATIONS	LEE	CLASSIFIED	99, 344
COLUMBUS AFB	AETC	MISSISSIPPI	206A
DAVIS-MONTHAN AFB	ACC	ARIZONA	53
DOVER AFB	AMC	DELAWARE	121
EDWARDS AFB	AFMC	CALIFORNIA	69
EGLIN AFB	AFMC	FLORIDA	136
EIELSON AFB	PACAF	ALASKA	41
ELMENDORF AFB	PACAF	ALASKA	45
F E WARREN AFB	SPACECOM	WYOMING	337
FAIRCHILD AFB	AMC	WASHINGTON	326
GHEDI RRS	USAFE	ITALY	3 67
GRAND FORKS AFB	AMC	NORTH DAKOTA	256
HICKAM AFB	PACAF	HAWAII	162
INCIRLIK AB	USAFE	TURKEY	378
KEESLER AFB	AETC	MISSISSIPPI	210
KELLY AFB	AFIA	TEXAS	302
KIRTLAND AFB	AFMC	NEW MEXICO	241
RAF LAKENHEATH	USAFE	UNITED KINGDOM	385
LANGLEY AFB	ACC	VIRGINIA	325
LAUGHLIN AFB	AETC	TEXAS	306
	ACC	ARKANSAS	61
LITTLE ROCK AFB	AETC	ARIZONA	57
LUKE AFB	ALIC	ARIZONA	31
MAXWELL AFB	AETC	ALABAMA	37
MCCHORD AFB	AMC	WASHINGTON	330
MCCONNELL AFB	AMC	KANSAS	186

DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FY 1996 PRESIDENT'S BUDGET INSTALLATION INDEX

<u>INSTALLATION</u>	COMMAND	STATE/COUNTRY	PAGE
MCGUIRE AFB	AMC	NEW JERSEY	230
RAF MILDENHALL	USAFE	UNITED KINGDOM	389
MINOT AFB	ACC	NORTH DAKOTA	263
MOODY AFB	ACC	GEORGIA	144
MOUNTAIN HOME AFB	ACC	IDAHO	172
NELLIS AFB	ACC	NEVADA	226
PETERSON AFB	SPACECOM	COLORADO	104
POPE AFB	ACC	NORTH CAROLINA	248
RANDOLPH AFB	AETC	TEXAS	310
REESE AFB	AETC	TEXAS	317
ROBINS AFB	ACC	GEORGIA	157
SCOTT AFB	AMC	ILLINOIS	179
SEYMOUR JOHNSON AFB	ACC	NORTH CAROLINA	255
SHAW AFB	ACC	SOUTH CAROLINA	290
SHEPPARD AFB	AETC	TEXAS	321
SPANGDAHLEM AB	USAFE	GERMANY	351
TIN CITY LRRS	PACAF	ALASKA	49
TINKER AFB	AFMC	OKLAHOMA	275
TRAVIS AFB	AMC	CALIFORNIA	79
TYNDALL AFB	AETC .	FLORIDA	140
USAF ACADEMY	USAFA	COLORADO	111
VANDENBERG AFB	SPACECOM	CALIFORNIA	92
VARIOUS LOCATIONS	SUPPORT	WORLDWIDE	393
VOGEHWEH ANNEX	USAFE	GERMANY	355
WHITEMAN AFB	ACC	MISSOURI	214
WRIGHT-PATTERSON AFB	AFMC	ОНЮ	267

DEPARTMENT OF THE AIR FORCE MILITARY CONSTRUCTION PROGRAM FISCAL YEAR 1996

ECONOMIC CONSIDERATIONS

An economic evaluation has been accomplished for all projects costing over \$2 million and the results are addressed in the individual DD Forms 1391.

DESIGN FOR ACCESSIBILITY OF PHYSICALLY HANDICAPPED PERSONNEL

In accordance with Public Law, 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

ENVIRONMENTAL STATEMENT

In accordance with Section 102(2) (c) of the National Environmental Policy Act of 1969 (PL 91-190), the environmental impact analysis process (EIAP) has been completed or is actively underway for all projects in the Air Force FY 1996 Military Construction Program.

EVALUATION OF FLOOD PLAINS AND WETLANDS

All projects in the program have been evaluated for compliance with Executive Orders 11988, Flood plain Management, and 11990, Protection of Wetlands, and the Flood plain Management Guidelines of U.S. Water Resources Council. Projects have been sited to avoid or reduce the risk of flood loss, minimize the impact of floods on human safety, health and welfare, preserve and enhance the natural and beneficial values of wetlands and minimize the destruction, loss or degradation of wetlands.

ENVIRONMENTAL COMPLIANCE

The FY 96 MILCON request includes \$68 million for requirements necessary to correct current environmental noncompliance situations and to prevent future noncompliance. The request is the result of an intense effort to correct environmental concerns existing in five major infrastructure areas: wastewater treatment systems, corrosion control systems, hydrant refueling systems, underground storage tank systems, and live fire training facilities.

FY 1996

CONGRESSIONAL REPORTING REQUIREMENTS

1. STATEMENTS ON NATO ELIGIBILITY

These are in response to the requirement in the FY 1988 Senate Appropriations Committee Report, 100-200, page 13, and are included in the appropriate project justification.

2. STATEMENTS ON COMPLIANCE WITH CONSTRUCTION MANUAL 4210.1M

These are in response to the requirement in the FY 1988 Senate Appropriations Conference Report, 100-498, page 1003, and are included in each project justification.

3. NEW AND CURRENT MISSION ACTIVITIES

The FY 1989 Senate Appropriations Committee Report, 100-380, pages 10 and 11, identified a requirement to include an exhibit in the budget justification books that displayed required projects in two separate categories: New Mission and Current Mission. The CM (current mission) or NM (new mission) designation which follows the project on the listing at page 17 identifies each project as new or current mission. Current mission MILCON is further broken down to indicate environmental projects. Additionally, each justification in Block 11 of the DD Form 1391 indicates whether the project supports a new or current mission.

4. RESOLUTION TRUST CORPORATION ASSETS

Senate Armed Services Committee Report 101-384, dated 20 July 1990, on the National Defense Authorization Act for FY 91 requested the Department to screen Resolution Trust Corporation assets to determine if proposed construction projects could be more economically met through the purchase of existing assets held by the Resolution Trust Corporation. The FY 96 Military Construction and Family Housing programs were compared to the current real estate asset inventory published by the Resolution Trust Corporation. It was determined and the Department certified that no assets exist that can be economically used in lieu of the FY 96 projects requested.

FY 1996 THIRD PARTY FINANCING

Test of long-term facilities contracts

NONE

FY 1996 NON-MILCON FUNDING

Research and Development (RDT&E)

NONE

APPROPRIATIONS LANGUAGE

MILITARY CONSTRUCTION, AIR FORCE

For acquisition, construction, installation, and equipment of temporary or permanent public works, military installations, facilities, and real property of the Air Force as currently authorized by law \$495,655,000 to remain available until September 30, 2000: Provided that, of this amount, not to exceed \$30,835,000, shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

	FISCAL VEAR 1990
Military Construction, Air Force	Program and Financing (in Thousands of dollars)

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Budget P CONSTRUC	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	
Identific	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
ď	Program by activities: Direct program:				
00.0101	Major construction Minor construction Planning				
00.0401	Supporting activities	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1016.00	Total direct program				
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	t t t t t t t t t t t t t t t t t t t	: : : : : : : : : : : : : : : : : : : :
10.0001	Total				
u .	Financing:				
17.0001	ž ວັ				
21.4002	For completion of prior year budget plans	-8.315			
21.4003	Available to finance new budget plans Reprograming from/to prior year budget plans	-20,042			
25.0001	Unobligated balance expiring	20,042	1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
40.0001	Budget authority (Appropriation rescinded) (-8,315	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		:

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1990

Identific	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1995 est. 1996 est. 1997	1997 est.
Pr	Program by activities:					
00.0101	Direct program: Major construction	wan: truction	36,722			
00.0201 00.0301 00.0401	Minor cons Planning Supporting	Minor construction Planning Supporting activities	1,445	 		1 1 1 1 1 1 1 1
1016.00	Total dire	Total direct program	39,013			
10.0001	Total		39,013	 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
F 17.0001	Financing: Recovery of	Financing: 17.0001 Recovery of prior year obligations	-1,332			
21.4002	Unobligated For comple	Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans	-57,723 -8,315			
21.4009	Reprogram Unobligated	Reprograming from/to prior year budget plans Unobligated balance expiring	20,042	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1
40.0001		Budget authority (Appropriation rescinded) (-8,315	1	1	

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1991

			NOO	CONSTRUCTION actions programed)	s programed)	
Identification code	n code	57-3300-0-1-051	1994 actual	ual 1995 est.	1996 est.	1997 est
Progra Dire	Program by activities: Direct program: Maior construction	ram by activities: rect program:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
	nor cons	Minor construction				
00.0301 P1	Planning Supporting	Planning Supporting activities				
00.9101 To	ital dire	Total direct program	1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1	
			1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1	1 1 1 1 1 1 1
10.0001 To	Total					
Financing:	cing: overv of	Financing: 17 0001 Recovery of orior year oblications				
Unot	oligated	Unobligated balance available, start of year:				
21.4002 Fc	or comple	ition of prior year budget plans				
	vailable	Available to finance new budget plans	9-	550		
21.4009 Re	eprogram	ng from/to prior year budget plans	-	-1.660		
22.0001 Unot Unot	bligated	Unobligated balance transferred to other accounts Unobligated balance available, end of year:	.	660		
24.4002 Fc	or compli	tion of prior year budget plans	1		 	1 1 1
AD OOO Buds	tot	Budget authority (Appropriation rescinded) (-6,	-6,550		

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1991

				Obligations		
Identifi	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
d	Program by activities:	141108:				
00.0101	Major construction	itruction	78,727	40,251		
00.0201	Minor construction	itruction	690	165		
00.0301	Pimoning Supporting	Pianning Supporting activities	4,798	4,470		1
1016.00	Total dire	Total direct program	84,487	44,886		
			1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
10.0001	Total		84,487	44,886		
F1	Financing: Recovery of	inancing: Recovery of prior year obligations	-2,822			
21.4002	Unobligated For comple	balance available, start of year: etion of prior year budget plans	-128.211	-44,886		
21.4003	Available Reprogram	Available to finance new budget plans Reprograming from/to prior year budget plans	066'9-			
22.0001	Unobligated Unobligated	Unobilgated balance transferred to other accounts Unobilgated balance available, end of year:	1,660			
24.4002	For compl	For completion of prior year budget plans	44,886	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
40.0001		Budget authority (Appropriation rescinded) (-6,550	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 1 1 1 1						

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1992

		Budget P CONSTRUC	lan (amounts TION actions	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1
Identific	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
00.0101 00.0201 00.0301	Program by activities: Direct program: Major construction Minor construction Planning Supporting activities				
1016.00	Total direct program	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; ; ; ; ; ;	1 † 1 1 1 1 1 1	
10.0001	Total				: i 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
17.0001 21.4002	Financing: Recovery of prior year obligations Unobligated balance available, start of year: For completion of prior year budget plans	-12 980	-3.029		
21.4009 21.4009 22.0001	Available to infance new Jouget plans Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts	-9,804 6,775			
24.4002 24.4003	Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans	3,029	1		, , , , , , , ,
39.0001	Budget authority	-12,980	-3,029	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	; ; 1 1 1 1 1 1
40.0001	scinded (unob bal nt to P.L. 103-30	-12,980	-3,029		
43.0001	Appropriation (adjusted)		 	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! ! !

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1992

Program by activities: 1996 est. 199					Obligations		
rogram by activities: Diect program: Minor construction 12,894 6,133 855 723 Total Minor construction Mecovery of prior year budget plans Available to finance available, end of year: Total Mobiligated balance available, end of year: For completion of prior year budget plans Mobiligated balance available, end of year: For completion of prior year budget plans Mobiligated balance available, end of year: For completion of prior year budget plans Mobiligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available, end of year: For completion of prior year budget plans Available to Finance available year: For completion of prior year budget plans	Identifi		30-0-1-051	1994 actual	1 60 1		1997 est.
Mejor construction 164,179 88,805 17,76	4	ogram by activities					
Minor construction Minor construction Minor construction Minor construction Supporting activities Supporting activities Total direct program Total direct program Total direct program Total Total	00.0101	Major constructio	·	164,179	88,805	53,614	
Total direct program Total direct program of prior year obligations Recovery of prior year budget plans Recovery of prior year budget plans Reprograming from/to prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans Budget authority Budget authority: Reduction pursuant to P.L. 103-307 (-) Appropriation (additisted) Appropriation (additisted) -12,980 -12,980 -3,029	00.0201	Minor constructio	E	8.814	1.176 6.133	4.400	
Total direct program Total direct program Total direct program Total Total	00.0301	Planning Supporting activi	ties	855	723	1,065	!
Total Recovery of prior year obligations Recovery of prior year obligations Unobligated balance available, start of year: For completion of more new budget plans Available to finance new budget plans Reprograming from/to prior year budget plans Reprograming from/to prior year budget plans Reprograming from/to prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Available to finance subsequent year budget plans Budget authority Budget authority: Reduction pursuant to P.L. 103-307 (-) Appropriation (adjusted) -12,980 -3,029 -3,029 -3,029	1016.00	Total direct prog	EGL	186,742	96,837	59,079	
Recovery of prior year obligations Recovery of prior year obligations Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts Unobligated balance transferred to other accounts Unobligated balance transferred to other accounts Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Budget authority: Budget authority: Reduction pursuant to P.L. 103-307 (-) Appropriation (adiusted) Appropriation (adiusted) -12,980 -3,029	10.0001	Total		186,742	96,837	620,63	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans Reprograming from prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Available to finance subsequent year budget plans Budget authority: Budget authority: Reduction pursuant to P.L. 103-307 (-) Appropriation (adjusted) Available to finance available, end of year: Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-)	17.0001	inancing: Recovery of prior y	ear obligations	- 109			
Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Budget authority: Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-)	21.4002	Unobligated balance For completion of Available to fina	avallable, start of year: prior year budget plans nce new budget plans	-352,352 -12,980	-155,916 -3,029	-59,079	
Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Budget authority: Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-)	21.4009	Reprograming from Unobligated balance	//to prior year budget plans transferred to other accounts	6,775			
Budget authority Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-) Appropriation (adjusted)	24.4002	Unobligated balance For completion of Available to fins	available, end of year: prior year budget plans nce subsequent year budget plans	155,916 3,029	59,079		
Budget authority: Appropriation rescinded (unob bal) Reduction pursuant to P.L. 103-307 (-) Appropriation (adjusted)	39.0001	Budget authori	>	-12,980	-3,029		
Angropolation (adjusted)	40.0001	Budget authority: Appropriation res	cinded (unob bal) t to P.L. 103-307 (-)	-12,980	-3,029	 	, 1 1 1 1 1 1 1
	43.0001	Appropriation	adjusted)	-12,980	-3,029		! 1 1 1 1 1 1

; 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1997 est.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		: 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
, 	or MILITAR	1996 est.	 		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
FISCAL YEAR 1993	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1995 est.			 		
	Budget: P18	1994 actual			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		-2,250 -16,685 16,685
Military Construction, Air Force Program and Financing (in Thousands of dollars)	1	Identification code 57-3300-0-1-051	program by activities: Direct program: 00.0101 Major construction 00.0201 Winor construction 00.0301 Planning	00.9101 Total direct program		10.0001 Total	Financing: 17.0001 Recovery of prior year obligations Unobligated balance available, start of year: Unobligated balance available, start of year: 21.4002 For completion of prior year budget plans 21.4003 Available to finance new budget plans 22.0001 Unobligated balance transferred to other accounts Unobligated balance available, end of year:

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1993
Obligations

			0011881100		
Identifi	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
	Program by activities:			991	18 836
00.0101	Unrect programmer Major construction Whom construction	240,940 450	38,578	2,269	2,086
00.0301		161,82			
1016.00	Total direct program	270,521	43,101	668.17	11.01
					1 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
10.0001	Total	270,521	43,101	71,835	70,126
1000	Fina	-2,632			
	5	-420,232	-135,658	-92,557	-20,722
21.4002	Available to floance new budget plans	-2,250			
21.4009	Š	16,685			
24,4002		135,658	92,557	20,722	1 1 1 1 1 1 1
40.0001	9	-2,250		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
1 1 1					

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994

Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1995 est. 1996 est. 1997 est.					
Budget P CONSTRUC	1994 actual	920, 193 8, 555 63, 882 7, 150	1999,180	082,480	000'E-	087,966
	Identification code 57-3300-0-1-051	Program by activities: Direct program: Major construction Minor construction Planning Supporting activities	Total direct program	Total	Financing: Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year: For completion of prior year budget plans	40.0001 Budget authority (Appropriation)
	Identifi	00.0101 00.0201 00.0301 00.0401	1016.00	10.0001	21.4002 22.0001 24.4002	40.0001

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994

Identification code 57-3300-0-1-051 Program by activities: Direct program:			1111111111111	
program by activities:	1994 actual	1995 est.	1996 est.	1997 est.
		•	9	27 152
	553,007 7,551	259,126 1,004 7,666	7.666	2,555
00.0301 Planning 00.0401 Supporting activities	101.67	2,145	828	286
00.9101 Total direct program	590,022	269,941	77,983	29,993
10.0001 Total	590,022	269,941	77,983	29,993
<u> </u>		-409,758	-139,817	-61,834
ᆮ	-3,000			
Unobligated balance available, end of year: 24.4002 For completion of prior year budget plans	409,758	139,817	61,834	31,841
40.0001 Budget authority (Appropriation)	996,780		! ! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1995

i ! !			Budget P CONSTRUC	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	1
Identific	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
bd	Program by activities: Direct program:	5 5 1 1 1 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1				
00.0101	Major construction Minor construction	struction		460,427		
00.0301	Planning		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	49,380	1 1 1 1 1	1 1 1 1 1 1 1 1 1
1016.00	Total dire	Total direct program		516,813		
01.0101	01.0101 Reimbursable program	e program		323		
	- 0 - 0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	517,136	 	
10.000	20.0			•		
F 11.0001	Financing: Offsetting collect Federal funds(-)	nancing: Offsetting collections from: Federal funds(-)		-323		
21.4002	Unobilgated For compl	Unobligated balance available, start or year: For completion of prior year budget plans Unobligated balance available, end of year:				
24.4002	For compl	For completion of prior year budget plans	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1
40.0001	Budget auth			516,813		: : : : : : : : : : : : : : : : : : :
		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1995

Ogram by activities: Direct program: Major construction Minor c	Identific	Identification code	57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Major construction Major construction Major construction Major construction Minor construction Planning Total direct program Reimbursable program Total Financing: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans For completion of prior year budget plans Budget plans For completion of prior year budget plans For completion of prior year budget plans For completion of prior year budget plans For completion of prior year budget plans For completion of prior year budget plans	i d	rogram by act	1		 		
Minor construction Planning Planning Total direct program Total direct program Total direct program Total Total Total Total Total Total Total Total Financing: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans	00.0101	Major cons	truction		281,776	152,288	19,093 840
Total direct program Reimbursable program Total Total Total Total Total Total Total Financing: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans	00.0201	Minor cons Planning	truction		24,683	5,924	5,924
Reimbursable program Total Inancing: Offsetting collections from: For completion of prior year budget plans	1016.00	Total dire	ct program		309,959	160,312	25,857
inancing: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans For completion of prior year:	01.0101	Reimbursable	program		323	1	[
Offsetting collections from: Offsetting collections from: Federal funds(-) Unobligated balance available, start of year: For completion of prior year budget plans	10.0001			 	310,282	160,312	25,857
Unobligated balance available, start of year: For completion of prior year budget plans Unobligated balance available, end of year: For completion of prior year budget plans A6,542 For completion of prior year budget plans Budget authority (Appropriation)		inancing: Offsetting c	collections from:		-323		
Unobligated balance available, end of year: For completion of prior year budget plans Authority (Appropriation)	11.0001	Unobligated	nuss.) Balance available, start of year: +ion of prior year budget plans			-206,854	-46,542
Budget authority (Appropriation)	24.4002	Unobligated For comple	balance available, end of year: stion of prior year budget plans		206,854	46,542	20,685
	40.0001	В	ority (Appropriation)	. ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	516,813		1 1

Budget Pian (amounts for MILITARY CONSTRUCTION actions programed) 455,790 9,030 30,835 495,655 495,655 1996 est. FISCAL VEAR 1996 1995 est. 1994 actual Military Construction, Air Force Program and Financing (in Thousands of dollars) Financing:
Unobligated balance available, start of year:
2 For completion of prior year budget plans
Unobligated balance available, end of year:
2 For completion of prior year budget plans 57-3300-0-1-051 Total direct program Program by activities:
Direct program:
01 Major construction
01 Minor construction
01 Planning Identification code Total

00.0101 00.0201 00.0301

1016.00

10.0001

495,655

Budget authority (Appropriation)

40.0001

24.4002

21.4002

1997 est.

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1996

Identifi	Identification code	57-3300-0-1-051	1994 actual	1995 est. 1996 est	1996 est.	1997 est.
	Drooman by activities:	11 105:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	! ! ! ! ! !	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
00.0101	Direct program: Major construction	uction			226,895	169,841
00.0201	Minor construction	uction			16,418	9,851
00.9101	Total direct program	швівоі :	1	1 1 1 1 1 1 1 1	247,828	182,401
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	247,828	182,401
10.0001	lotal					
21.4002	Financing: Unobligated ba For complet	nancing: Unobligated balance available, start of year: For completion of prior year budget plans				-247,827
24.4002	Unobligated by For complet	Unobligated balance available, end of year: For completion of prior year budget plans	1	i 3 1 1 1 1 1 2 1	247,827	65,426
40.0001				; ; ; ; ; ; ;	495,655	1 1 1

Military Construction, Air Force Program and Financing (in Thousands of dollars) FISCAL YEAR 1997

# # # # # #	Budget Plan (amounts CONSTRUCTION actions	Budget P CONSTRUC	Budget Plan (amounts for MILIT CONSTRUCTION actions programed)	Budget Plan (amounts for MILITARY CONSTRUCTION actions programed)	; ; ; ; ; ;
Ident if i	57-3300-0-1-051	1994 actual	1994 actual 1995 est. 1996 est.	1996 est.	1997 est.
1	Program by activities: Direct program:				
00.0101	Major construction				437,207 9,328
00.0301	Planning	1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	32,417
1016.00	Total direct program				478,952
		1 1 1 1 1		t ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;	
10.0001	Total				4/8,952
7 24.4002	Financing: Unobligated balance available, end of year: For completion of prior year budget plans				
40.0001	40.0001 Budget authority (Appropriation)	1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	 	478,952
1			1 1 1 1 1 1 1		

Military Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1997

					1	1::::::::::::::::::::::::::::::::::::::
Identifi	Identification code	1-051	1994 actual	1995 est.	1995 est. 1996 est.	1997 est.
d	Program by activities: Direct program:	1	; 			
00.0101 00.0201 00.0301	Major construction Minor construction Planning	truction		•	 	4,664 19,209
1016.00	Total dire	Total direct program				239,476
10.0001	Total		1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		 	239,476
F 24.4002	Financing: Unobligated For comple	nancing: Unobligated balance available, end of year: For completion of prior year budget plans			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	239,476
40.0001		Budget authority (Appropriation)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	: : : : : : : : : : : : : : : : : : : :	478,952	478,952

Military Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY

	Budget Plan CONSTRUCTION	(amounts actions	for MILITARY programed)	1
	1994 actual	1995 est.	1996 est.	1997 est.
vities: vities: ruction ruction activities	0,19 8,55 3,88	0.42 7.00 9.38	0.00	437,207 9,328 32,417
	092,099,780	516,813	495,655	478,952
01.0101 Reimbursable program 10.0001 Total	082,080	323 517,136	495,655	478,952
ų		-323		
Unobligated balance available, start of year: 21.4002	-30,095 -48,191 22,120	-3,029		
_	0.0			
Budget	966,685	513,784	495,655	478,952
P.L. 103-	9,9	516,813	495,655	478,952
	966,685	9,	5,6	8,95
ays men men men r				
, 90.0001 Outlays (net)				i i i i i i

Military Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY
Obligations

Identific	Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
00.0101 00.0201 00.0301 00.0401	1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	70.	708,536 6,668 42,182 7,338	571,822 6,615 36,677 1,923	450,325 8,213 39,625
00.9101	Total direct program	1,170,785	764,724	617,037	498,449
10.0001	reimoursable plogram Total	1.170,785	765,047	617,037	498,449
11.0001	ns from: lar obligations available, start of	-6,895	-323	-498.307	-376,925
21.4002 21.4003 21.4009 22.0001	. <u> </u>	-30,095 -30,095 22,120	-3,029		•
24.4002 24.4003 25.0001	Unobligated balance available, end of year: For completion of prior year budget plans Available to finance subsequent year budget plans Unobligated balance expiring	746,218 3,029 20,042	498,307	376,925	357,428
39.0001	Budget authority	6.	513,784	495,655	
40.0001	Budget authority: Appropriation Reduction pursuant to P.L. 103-307 (-)	966,685	516,813	495,655	478,952
43.0001	Appropriation (adjusted)	966,685	. i	495,655	478,952
71.0001	: t accts.	1,170,785 -723 979,575	764,724 -707 1,190,861	617,037	498,449
74.1001 74.4001 77.0001	Receivables from other government accts, EOV Obligated balance, end of year Adjustments in expired accounts (net) Adjustments in unexpired accounts	0.	-1,102,143	-978,894	-849,54
1 90.0001		950,454	852,735	740,286	627,802

Military Construction, Air Force Object Classification (in Thousands of dollars) SUMMARY

	!!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Identification code 57-3300-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
Direct obligations:	1,170,785	764,724	617,037	498,449
199.001 Total Direct obligations	1,170,785	764,724	617,037	498,449
Reimbursable obligations: 232,001 Land and structures	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	323	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
299.001 Total Reimbursable obligations		323		
999.901 Total obligations	1,170,785	765,047	617,037	498,449
Obligations are distributed as follows: Defense-Military:Army	962,076	567,057		398,631 59,720
Defense-Military:Navy Defense-Military:Air Force Department of Transportation	97,548 7,099	106,103	67,612	39,812
Total Obligations	1,170,785	765,047	617,037	498,449

1. COMPONENT								2	. DAI	Έ
	FY 199	6 MILITA				PROGE	MAS	İ		
AIR FORCE			uter o							
3. INSTALLATIO	ON AND LOCAT	NOI		i	DMMAND			5		A CONST
				1	DUCAT					T INDEX
MAXWELL AIR FO	DRCE BASE, A						DMAMMO			74
6. PERSONNEL	+	PERMANE			UDENT			ORTE		
STRENGTH		F ENL		OFF		CIV		ENL	CIV	
a. As of 30 SE		2 2835				i 1	98		420	* 1
b. End FY 2000) 122	3 2597					98	622	420	10,291
a Mahal Nassa		7. INVE	NTORY	DATA	(\$000)				
a. Total Acrea b. Inventory T	-	•	ו 40 מי					2	00 44	.
c. Authorizati		-	-						08,44 36 47	I
d. Authorizati			_	· · · · · ·					36,47 3,70	
e. Authorizati	-		_		am.	/EV 1	9971		-	o l
f. Planned In			-	_	: ·	(11 1			34,60	
g. Remaining D		-ogram I	curs.						65,80	ŧ
h. Grand Total	_								49,01	1
8. PROJECTS RE		THIS PRO	GRAM:	FY 1	996				,	
CATEGORY	<u> </u>	· -		_			COST	DE	SIGN	STATUS
CODE	PROJECT	TITLE		s	COPE		(\$000)	S'	TART	CMPL
				_				_		
740-884 CHILD	DEVELOPMEN	T CENTER		3	3,800	SF	3,700	JUI	N 94	JUL 95
COMP	PLEX									
		., .			TOTAL:		3,700			
9a. Future Pr								199	7) NO	NE
9b. Future Pr	-	pical Pl	anned	Next	Four 1					
113-321 REPAI				_		LS				
610-284 RENOV		OMMAND		7	1,804	SF	5,500			
ł	QUARTERS									
724-417 ADD T			G		16	PN	3,500			
	CERS QUARTE	RS			01	DM	2 600			
724-417 ALTER 832-266 UPGRA		AND COO	DV.	2		PN	3,600 5,500			
	DE SANITARI ER SYSTEMS	AND STO	RM	3	5,000	L	5,500			
	or Major Fun	ctions:	Headr	nuarte	rs Air	r Uni	versit	v; A	ir Wa	r
College; Air C										
Training Schoo										
Air Force Qual	_		_							•
Development; A	-				_					orce
Reserve Office										
College of the	_	- '	-							-
Force Reserve				-						
	ng pollutio						.es:			
a. Air p	ollution:								C)
	pollution:								C	
_	ational saf	-	health	n:					C	
d. Other	Environmen	tal:							C)

1. COMPONENT			2. DATE
	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLAT	ION AND LOCATION	4. PROJECT TITLE	
		CHILD DEVELOPMENT C	ENTER
MAXWELL AIR I	FORCE BASE, ALABAMA	COMPLEX	
5 PROCESH FI	FMENT 6 CATEGORY CODE 7	PROJECT NUMBER 8. PROJE	ECT COST(SOOO)

8.57.96 740-884 PNQS943075 3,700
9. COST ESTIMATES

J. COB1 EBITAMIA	30			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
CHILD DEVELOPMENT CENTER COMPLEX	SF	33,800		2,674
CHILD DEVELOPMENT CENTER	SF	20,200	92	(1,858)
CHILD DEVELOPMENT CENTER ALTERATION	SF	13,600	60	(816)
SUPPORTING FACILITIES				640
UTILITIES	LS		·	(250)
PAVEMENTS	LS			(125)
SITE IMPROVEMENTS	LS	'		(140)
EMCS/COMMUNICATIONS	LS			(<u>125</u>)
SUBTOTAL				3,314
CONTINGENCY (5%)				166
TOTAL CONTRACT COST			Ì	3,480
SUPERVISION, INSPECTION AND OVERHEAD (6%)				209
TOTAL REQUEST	•			3,689
TOTAL REQUEST (ROUNDED)				3,700

10. Description of Proposed Construction: Alter existing child development center facility and construct a new child development center facility. New facility with concrete foundation, masonry walls, structural steel frame, and roof system. Includes utilities, pavements, Energy Monitoring Control System (EMCS), site improvements, and all necessary support.

Air Conditioning: 200 Tons.

11. REQUIREMENT: 36,078 SF ADEQUATE: 2,328 SF SUBSTANDARD: 14,606 SP PROJECT: Alter existing child development center and construct a new child development center. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. These facility requirements are in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 427 dependent children. A properly sized and functionally configured child development center complex is required to provide supervised care and development experience for children ages six weeks through twelve years, including all preschool activities. Multiple facilities are required to comply with the DoD directive establishing the maximum number of children a single facility can support. Adequate child care facilities must be provided to accommodate the special requirements placed on military families and single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early developmental care for children.

CURRENT SITUATION: Presently, two child development centers exist capable of supporting a total of 147 children. A small satellite facility supporting 27 children is in adequate condition and will continue to be

2. DATE
RUCTION PROJECT DATA
generated)
5. PROJECT NUMBER

CHILD DEVELOPMENT CENTER COMPLEX

The other facility accommodates a maximum of 120 children. attendance at this center averages 120, or 100%. At the present time, 80 children are on the waiting list. The actual number of children not being accommodated is higher because many parents do not bother placing their children on the list once they learn the required waiting period. hundred forty preschool children cannot be supported because their facility was demolished after a DoD inspection declared it unusable. project will result in a child development center complex which will serve a total of 400 children. The existing facility is too small and poorly arranged for safe and effective child development support. Storage space is inadequate and layout is poor. Room sizes are too large to meet the required adult-to-child ratio. The existing facility has health and safety hazards because toddlers cannot be closely supervised. Further, a larger and better equipped kitchen along with additional bathroom facilities are needed to properly care for infants and toddlers. facility is currently filled to capacity with 120 children between the ages of six weeks and five years. Homecare is at maximum usage. Off-base day care facilities are limited and normally twice as expensive as on-base facilities placing a financial hardship on junior enlisted personnel. Further, many young families are stationed at Maxwell for short periods, one year or less. This is typically insufficient time to move to the top of waiting lists for community facilities. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to

employee absenteeism, low morale and has a negative impact on the military and civilian workforce. Personnel will be forced to find alternate, more expensive, and unaccredited child care services off the installation. The inability to provide safe and worry-free child care and preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction, add to and alter, and status quo operation. Based on the present value and benefits of the respective alternatives, add to and alter was found to be the most cost efficient over the life of the project.

PNQS943075

1. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra a
AIR FORCE		(computer generated)	
3. INSTAL	LATIO	N AND LOCATION	
		. •	
MAXWELL A	IR FO	RCE BASE, ALABAMA	
PROJEC	T TIT	LE	5. PROJECT NUMBER
CHILD DEV	ELOPM	ENT CENTER COMPLEX	PNQS943075
12. SUPP	LEMEN'	TAL DATA:	
a. Est	imate	d Design Data:	
	٠.		
(1)	Sta		94 JUN 17
		Date Design Started	
		Parametric Cost Estimates used to develop of	359
		Percent Complete as of Jan 1995	94 DEC 15
		Date 35% Designed.	94 DEC 13
	(e)	Date Design Complete	95 001 20
(2)	Bas	is:	
\ -,		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
(3)	Tota	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	200
		All Other Design Costs	145
	(c)	Total	345
		Contract	239
	(e)	In-house	106
(4)	Con	struction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT						-		2. DA	re	
	1996 MILIT				PROGE	RAM	İ			
AIR FORCE		puter (7							
3. INSTALLATION AND I	OCATION		4. C	DNAMMO				5. AREA CONST		
							i		T INDE	
EIELSON AIR FORCE BAS			 	FIC AIR					. 97	
6. PERSONNEL	PERMAN			TUDENTS			PORT		-	
STRENGTH	OFF ENL			ENL	CIV	OFF	ENL	CIV		
a. As of 30 SEP 94	303 2760	1							3,56	
b. End FY 2000	301 2705								3,49	
	7. INV	ENTORY	DATA	(\$000)						
a. Total Acreage: (
b. Inventory Total As								464,81		
c. Authorization Not		_						13,30		
d. Authorization Requ			-					3,85	0	
e. Authorization Incl		_	Progr	cam: (FY 1	.997)		5,47	3	
f. Planned In Next Fo	_	Years:						1,40		
g. Remaining Deficien	cy:						;	280,18	31	
h. Grand Total:								769,01	.9	
8. PROJECTS REQUESTED	IN THIS PRO	OGRAM:	FY 1	1996						
CATEGORY						COST	D.	ESIGN	STATUS	
CODE PROJ	ECT TITLE		5	COPE		(\$000)	START	CMPL	
721-312 ALTER DORMIT	ORY						<u>0</u> J1	UN 94	APR 9	
			******	TOTAL:						
9a. Future Projects:	Included .	in the	Follo	owing F	rogr	am (F	Y 19	97)		
216-642 CONVENTIONAL	MUNITIONS			6,200	SF	3,30	0			
MAINTENANCE	SHOP									
890-185 REPAIR UTILI	DOR PIPE			1,550	LF _	2,17	<u>3</u>			
				TOTAL:		5,47	3			
9b. Future Projects:	Typical P	lanned	Next	Four Y	ears!	: :				
880-232 UPGRADE FIRE	SUPPRESSION	N	Ç	8,906	SF	60	0			
SYSTEMS										
880-232 UPGRADE NOSE	DOCK FIRE		2	26,302	SF	80	0			
SUPPRESSION										
Mission or Major			-	_						
t A/OA-10 squadron, and	a fighter	traini	ng squ	adron	resp	onsib	le f	or Cop	e	
Thunder exercises; an	Air Educat	ion and	d Trai	ining (Comma	ınd gr	oup	that		
conducts Arctic Survi	val School;	and a	n Air	Nation	nal G	Guard	KC-1	35 air	-	
refueling detachment.										
11. Outstanding poll	ution and sa	afety	(OSH)	defici	lenci	es:				
a. Air pollutio	n:							C)	
b. Water pollut	ion:							2,700)	
c. Occupational	safety and	healt	h:					C)	
d. Other Enviro								2,800)	

1	1. COMPONENT			2. DATE					
ı		FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA					
	AIR FORCE	E (computer generated)							
	3. INSTALLATION A	ND LOCATION	4. PROJECT	TITLE					
I									
	EIELSON AIR FORCE	BASE, ALASKA	ALTER DORMI	TORY					
I	5. PROGRAM ELEMEN	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)					
1									
	2.75.96P	721-312	FTQW963008	3,850					
Ī	· · · · · · · · · · · · · · · · · · ·	9. COS'	r ESTIMATES						

J. COBI EBITIMIE				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORY (46 PN)				3,302
ALTERATION	SF	32,700	99	(3,237)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	(<u>65</u>)
SUBTOTAL				3,302
CONTINGENCY (10%)				330
TOTAL CONTRACT COST				3,632
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				236
TOTAL REQUEST				3,868
TOTAL REQUEST (ROUNDED)			i	3,850
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(172)
	,	İ		
	Ì			
	 .			

10. Description of Proposed Construction: Demolish interior walls, finishes, and utilities. Alters existing three-story facility to provide new room-bath-room configuration; includes electrical, structural, and mechanical alterations, entrance lobby, lounge, laundry, basement storage area, and kitchen. Replace windows, minor exterior refinishing, and all other necessary support.

Grade Mix: 25 E5-E6; 21 E7-E9.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide both privacy and sufficient community areas are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 46 personnel: 25 E5-E6 and 21 E7-E9, with a maximum utilization of 92 personnel.

CURRENT SITUATION: The facility to be altered was constructed in 1953 and the last renovation was in 1980. The floor plan includes both private and semi-private bathrooms, but none of the rooms meet space requirements as specified in Military Handbook 1190, "Facility Planning and Design Guide". Lighting is inadequate, rooms are poorly ventilated during summer months, and the windows are energy inefficient. Awkward floor plans have no storage within the rooms and there is no central storage.

Asbestos-containing materials can be found in piping insulation, floor tiles, and concrete asbestos wall board. The dormitory occupancy rate

1 1	RY CONSTRUCTION PROJECT DATA mputer generated)	2. DATE
3. INSTALLATION AND LOCATION EIELSON AIR FORCE BASE, ALASKA		
4. PROJECT TITLE ALTER DORMITORY		ROJECT NUMBER

exceeds 96 percent. E-6 and above are authorized to live off-base due to inadequate dormitory space; however, off-base properties are distant and in limited supply, as documented in the recent Housing Market Analysis. IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity, and career satisfaction of the enlisted force. Demand for acceptable off-base quarters will continue to exceed availability. Quarters allowance alone will exceed \$364,000 per year to house airmen off-base.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. This project is part of a comprehensive program to upgrade all dormitories within a single, centrally-serviced area. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing, and status quo. Based on the present value and benefits of the respective alternatives, revitalization was found to be the most cost-effective over the life of the project. This is a candidate project for a Comprehensive Interior Design (CID) package. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection systems for this project is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

				· • · · · · · · · · · · · · · · · · · ·
1. COMPONENT				2. DATE
		TARY CONSTRUCTION		
AIR FORCE	ON AND LOCATION	computer generated	1)	1
3. INSTALLATI	ION AND LOCATION			
EIELSON AIR E	FORCE BASE, ALASK	ĽA.		
4. PROJECT TI			5. PF	ROJECT NUMBER
ALTER DORMITO	DRY		FT	QW963008
12. SUPPLEME	ENTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:	:		
, , ,	Date Design St	arted		94 JUN 01
1		t Estimates used t	o develop costs	Y
1 ' '	-	te as of Jan 1995		35%
1	Date 35% Desig			94 DEC 30
(e)	Date Design Co	mplete		96 APR 01
(2) Ba	isis:			
(a)	Standard or De	finitive Design -		NO
(b)	Where Design W	as Most Recently (Jsed -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) +	(e):	(\$000)
(a)	Production of	Plans and Specific	ations	222
	All Other Desi	gn Costs		125
1 ' '	Total			347
	Contract			
(e)	In-house			347
(4) Co	nstruction Start			96 JUN
		this project will	be provided fro	m
other appropr	lations:			
			FISCAL YEAR	
EQU	IPMENT	PROCURING	APPROPRIATED	COST
	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
DORMITORY EQU	TPMENT	3080	1996	172
DOMITTORY BOO	7.11011.1	3000	1000	1/2

1. COMPONENT							7:	2. DAT	re
·	FY 1996 MILIT				PROGI	RAM			
AIR FORCE 3. INSTALLATION AND		puter o							33. 602/65
3. INSTALLATION AND	LOCATION		4. 00	DINAMMO] ;		EA CONST
	DAGD AYAGWA		PACIFIC AIR FORCES					T INDEX	
ELMENDORF AIR FORCE							DOD#1	1.73	
6. PERSONNEL	PERMANI			UDENTS					
STRENGTH	OFF ENL			ENL	CIV			CIV	
a. As of 30 SEP 94	858 6028	1				82		2 535	•
b. End FY 2000	874 6268	 	li		<u> </u>	82	17:	2 535	8,898
	7. INV	ENTORY	DATA	(\$000)				
a. Total Acreage: (
b. Inventory Total A							•	489,50	
c. Authorization Not								59,95	
d. Authorization Rec								9,10	
e. Authorization Inc					(FY]	1997)		16,60	
f. Planned In Next F		Years:		¢				36,49	
g. Remaining Deficie	ency:							239,91	
h. Grand Total:							8	351,57	2
8. PROJECTS REQUESTE	D IN THIS PRO	OGRAM:	FY]	1996					
CATEGORY						COST			STATUS
<u>CODE</u> <u>PRO</u>	DJECT TITLE		=	COPE		(\$000) 5	START	CMPL
112-211 REPAIR AIRF	TELD TAXIWAY		2	4,800	SY	90	O MA	AY 94	AUG 95
131-132 MILSTAR COM				600		85		JN 93	
TERMINAL									
724-417 VISITING OF	FICERS QUARTI	ERS			_			PR 94	SEP 95
				TOTAL:		9,10			
9a. Future Projects				_	_			97)	
141-753 ADAL SQUADE		•		1,000	SF	14,50	0		
	MAINTENANCE U		2						
871-183 UPGRADE STO	ORM DRAINAGE	SYSTEM			_	2,10	_		
				TOTAL		16,60	0		
9b. Future Projects		lanned					_		
112-211 WIDEN TAXIW				4,000		•			
121-111 POL OPERATI	•			5,200		2,10			
121-122 REPLACE HYD PHASE II	PRANT FUELING	SYSTE	М		LS	20,89	9		
141-181 AIRCRAFT WE	ATHER SHELTE	RS PHI	I	6	EA	12,00	0		
10. Mission or Majo								Alas	ca
NORAD Region Headqua			-						
F-15C/D squadrons, c							_		
aircraft), and an ai									major
activities include a									
squadron and a USAF			,	,		-,		5	
11. Outstanding pol			(OSH)	defic	ienc	ies:			,
a Div molluti	on:							ı)
a. Air polluti								9,100	_
b. Water pollu		he=1+1	h					· ·)
-	al safety and	nearti	11.5						
d. Other Envir	conmental:							2,000	J

1. COMPONENT		AILITARY CON	STRUCTION	PROJECT	-	. DATE
AIR FORCE		(computer	generate	d)		
3. INSTALLAT	ION AND LOCAT	ON	4.	PROJECT 1	TITLE	
ELMENDORF AI	R FORCE BASE,	ALASKA	vis	ITING OF	TICERS QUAR	rers
5. PROGRAM E	LEMENT 6. CAT	GORY CODE 7	. PROJECT	NUMBER	8. PROJECT	COST(\$000)

FXSB963001

724-417

9. COST ESTIMATE	.5			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
VISITING OFFICERS QUARTERS (80 PN)				6,156
VISITING OFFICERS QUARTERS	SF	38,000	160	(6,080)
AUTOMATIC SPRINKLER PROTECTION	SF	38,000	2	(76)
SUPPORTING FACILITIES	1			420
UTILITIES	LS			(90)
SITE IMPROVEMENTS	LS			(20)
PAVEMENTS	LS	·		(170)
COMMUNICATIONS SUPPORT	LS			(140)
SUBTOTAL				6,576
CONTINGENCY (5%)				329
TOTAL CONTRACT COST				6,905
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)	İ			449
TOTAL REQUEST				7,354
TOTAL REQUEST (ROUNDED)				7,350
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(500)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and roof system. Includes interior entrances to room, laundry area, connection to the central heat plant, water, sewer, and electric. Provide adequate parking, exterior lighting, interior fire protection, television and telephone connections in each room, and all necessary support.

Grade Mix: 80 01-03.

2.75.96P

REQUIREMENT: 174 PN ADEQUATE: 94 PN SUBSTANDARD: PROJECT: Construct a visiting officers quarters (VOQ). (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Aircrew and maintenance officers deployed for Exercise Cope Thunder and routine transient officers require housing that will ensure proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide individual privacy are essential to assure the successful accomplishment of the increasingly complicated jobs these people must perform.

CURRENT SITUATION: There is a severe shortage of visiting officers quarters at Elmendorf AFB during Cope Thunder exercises. In 1992, the VOQ occupancy rate routinely exceeded 100% occupancy during Cope Thunder exercises. Due to the severe Alaskan winters, Cope Thunder exercises are scheduled during the spring, summer, and fall months. This schedule coincides with the peak of the Alaskan tourist season. Hotels in the Anchorage area are reserved to capacity months in advance. As a result, officers participating in the exercises are doubled up in rooms designed for single occupancy, while other transient officers and permanently assigned officers arriving or departing Elmendorf AFB are issued non-availablity statements. Elmendorf has been unable to obtain contract

7,350

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2.	DATE
3. INSTALLATION A ELMENDORF AIR FOR			
4. PROJECT TITLE VISITING OFFICERS		PROJEC	T NUMBER

quarters. Local hotels are unwilling to reserve rooms at Government rates due to the heavy tourist influx. Often, even with non-availability statements, transient officers are unable to find rooms at any price. It is not uncommon to find these people sleeping in their automobiles or VOQ office lobbies because no suitable rooms are available off-base. Elmendorf's VOQ shortage has been further compounded by the addition of a new fighter squadron in 1991. The number of Cope Thunder participants is limited by the lack of VOQ space.

IMPACT IF NOT PROVIDED: Insufficient on-base billeting space will continue to force officer aircrew members to share rooms designed for single occupancy. This situation will degrade aircrew rest schedules and decrease the morale and proficiency of exercise participants. Other visiting officers will continue to be issued non-availability statements to search for off-base quarters at rates of over \$100 per night during the peak tourist season.

ADDITIONAL: This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this project. A preliminary analysis of reasonable options for accomplishing this project (new construction, revitalization, and status quo) was done. It indicates there is only one option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT				2. DATE
		ITARY CONSTRUCTION		•
AIR FORCE	ON AND LOCATION	(computer generated	2)	
J. INSTABBATT	ON AND LOCATION			
ELMENDORF AIR	FORCE BASE, ALI	ASKA		
4. PROJECT TI	TLE		5. P	ROJECT NUMBER
			_	
VISITING OFFI	CERS QUARTERS		<u> </u>	XSB963001
12. SUPPLEME	NTAL DATA:			
			•	
a. Estimat	ed Design Data:			
/1\ 0+	atus:			
\-,	Date Design St	arted		94 APR 25
	-	st Estimates used t	o develop costs	
, ,		ete as of Jan 1995	ç -	35%
, ,	Date 35% Desig			94 DEC 15
(e)	Date Design Co	omplete		95 SEP 15
(2) Ba	sis:			
• •		efinitive Design -		NO
(b)	Where Design W	las Most Recently U	sed -	N/A
(2) m-	hal dank (a) = (4-1	
		a) + (b) or (d) + Plans and Specific	• •	(\$000) 440
	All Other Desi	-	4010115	374
	Total	•		814
• •	Contract			
(e)	In-house			814
(4) Co	nstruction Start			96 FEB
(1)				
b		A 1. 1		
b. Equipment other appropri		this project will	be provided in	om
oemer appropri	iderons.			
			FISCAL YEAR	
EQU]	PMENT	PROCURING	APPROPRIATED	COST
NOMEN	ICLATURE	APPROPRIATION	OR REQUESTED	(\$000)
VOQ FURNITURE		3400	1997	500
		3.00		
				ł

1. COMPONENT								2. DA'	re
AIR FORCE	FY 1996 MILITA	ARY CO puter (PROGE	MAS			
3. INSTALLATION AND		-		DMMAND				5. ARI	EA CONS
TIN CITY LONG RANGE							}		ST INDE
ALASKA	,		PACII	FIC AIR	R FOR	CES			. 85
6. PERSONNEL	PERMANI	ENT		TUDENTS			PORT		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV				TOTAL
a. As of 30 SEP 94									
b. End FY 2000									
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acreage:									
b. Inventory Total	•	EP 94)						13,80)1
c. Authorization No	•	•						,	0
d. Authorization Requested In This Program: 2,500									
e. Authorization In	_	-	-	am:	FY 1	997)		-,	0
f. Planned In Next		-		•		,			0
g. Remaining Defici	ency:								0
h. Grand Total:	-							16,30)1
8. PROJECTS REQUEST	ED IN THIS PRO	GRAM:	FY 1	996				·····	· · · · · · · · · · · · · · · · · · ·
CATEGORY						COST	, DI	ESIGN	STATUS
CODE PR	OJECT TITLE		S	COPE		(\$000) -	START	CMPL
			_						
411-134 ABOVEGROUN	D FUEL STORAGE	TANKS	5	13 TOTAL:	_	2,50 2,50	_	JN 94	OCT 9
a. Future Project	s: Included i	n the	Follo	wing F	rogr			97) NC	NE
b. Future Project	s: Typical Pl	anned	Next	Four Y	ears	:			
10. Mission or Maj	or Functions:	A lor	ng rar	ige rac	lar s	ite.			
Outstanding po	llution and sa	afety ((OSH)	defici	enci	es:			
a. Air pollut								C)
b. Water poll								C)
	al cafoty and	health						C)
c. Occupation			1:						
c. Occupationd. Other Envi			1:					C)
			1:					C)
			1:					C)
								C)
								C)
								C)
								C)
								C)
			- -					C)
								C)
								C)
								C)
								C)
	ronmental:							C)
								C)
	ronmental:							C	
	ronmental:							C	
	ronmental:							C	
	ronmental:							C	
	ronmental:							C	
	ronmental:							C	
	ronmental:		1:					C	

1. COMPONENT								2	. DAT	E
	F:	Y 1996 MILITARY C	ONSTRUC	rion	PRO	OJECT	DAT	A		
AIR FORCE		(comput	er genei	rated	d)					
3. INSTALLATI	ON ANI	LOCATION		4. F	PRO	JECT T	CITL:	E		
TIN CITY LONG	RANGI	E RADAR SITE, ALA	SKA	ABOV	VEGI	ROUND	FUE	L STORA	GE TAI	NKS
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PROJ	JECT	NU	MBER	8.	PROJECT	COST	(\$000)
			}							
2.74.56P		411-134	WWXI	9330	027	·			2,50	00
		9. cos	T ESTIMA	ATES						
								UNIT	C	OST
		ITEM		บ	J/M	QUANT	YTI	COST	(\$0	000)
ABOVEGROUND F	UEL ST	TORAGE TANKS		E	EA		13		1	1,839
ABOVEGROUND	STORA	AGE TANKS		E	EA		11	144,450) (c	(,589)
TANK REMOVA	L/DISE	POSAL		E	EA		2	125,000) (250)
SUPPORTING FA	CILITI	ES								315
UTILITIES				L	.s				1 (195)
SOIL REMEDI	ATION			L	.s				(75)
SITE IMPROV	EMENTS	3		L	s	:			\perp i	45)

10. Description of Proposed Construction: Remove two aboveground storage tanks (ASTs); relocate bulk storage area and install eleven 30,000 gallon ASTs. Downsize total fuel storage capacity below 10,000 barrels. Includes tank removal and disposal, new piping, site work, utilities, soil remediation, and all necessary support work.

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

SUBTOTAL

CONTINGENCY (10%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

PROJECT: Remove and replace aboveground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. Upgrade of ASTs regulated by 18 Alaska Administrative Code 75 is required by January 1997. The state has set standards that require all regulated tanks to have a leak detection system, cathodic protection, liner, overfill protection, and secondary containment. Alaska Statute Title 46 requires oil terminal facilities with noncrude oil storage capacities greater than 10,000 barrels to have a plan, the necessary personnel, and equipment to control and clean up a discharge equal to the capacity of the largest oil tank within 72 hours. This project removes and disposes of two 492,000 gallon tanks and associated piping; installs eleven 30,000 gallon self-contained tanks at the new bulk fuel storage area. New pipe must be installed to meet new storage configuration and to replace deteriorating lines.

CURRENT SITUATION: Two 492,000 gallon storage tanks are located on a 250 foot plateau overlooking the Bering Straits. The tanks have no leak detection, overfill protection, or cathodic protection. Most of the fuel lines are underground with no cathodic protection. The location of the tanks poses a serious environmental problem. Should a leak or spill occur, it could go undetected causing catastrophic environmental damage.

2,154

2,369

2,523

2,500

215

154

	1. COMPONENT			2. DI	ATE
	FY	1996 MILITARY CONSTRUCTION PROJECT DAT	Ά	1	
	AIR FORCE	(computer generated)			
	3. INSTALLATION AND	LOCATION			
		•			
	TIN CITY LONG RANGE	RADAR SITE, ALASKA			
	4. PROJECT TITLE		5.	PROJECT	NUMBER
į					
ABOVEGROUND FUEL STORAGE TANKS			WWXD933027		

Each tank individually exceeds 10,000 barrels, triggering greater contingency response requirements. Minimal site manning and extreme arctic weather make it impossible to meet strict state requirements for inspection and contingency response.

IMPACT IF NOT PROVIDED: Without this project, the potential for environmental contamination will remain high in the event of a leak or spill. After January 1997, the Air Force will be subject to monetary penalties, and litigation could result in forced compliance and remediation. Unless the total storage capacity is reduced below 10,000 barrels, the site will be unable to meet strict contingency response requirements; further, additional on-site personnel would be required at an estimated annual cost of over \$400,000, subject to state approval. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." A preliminary analysis of reasonable options for accomplishing this project (status quo, repair, and replacement construction) was done. It indicates there is only one option that satisfies statutory requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPON	ENT		2. DATE		
	1	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA		
AIR FORCE		(computer generated)			
3. INSTAL	LATIO	ON AND LOCATION			
TIN CITY	LONG	RANGE RADAR SITE, ALASKA			
4. PROJEC	T TI	TLE	5. PROJECT NUMBE		
ABOVEGROUND FUEL STORAGE TANKS			WWXD933027		
12. SUPP	LEMEI	NTAL DATA:			
a. Est	imate	ed Design Data:			
(1)	Sta	atus:			
` '		Date Design Started	94 JUN 1		
		Parametric Cost Estimates used to develop of	costs		
	(c)	Percent Complete as of Jan 1995	35		
	(d)	Date 35% Designed.	94 DEC 3		
	(e)	Date Design Complete	95 OCT 1		
(2)	Bas	sis:			
(-,	(a)		NO		
	(b)		N/A		
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$00		
		Production of Plans and Specifications	12		
		All Other Design Costs	13		
		Total	25		
*		Contract			
	(e)	In-house	25		
(4)	Con	struction Start	96 FE		
. Equipm	nent	associated with this project will be provide ations: N/A			

1. COMPONENT			many cc:	.copp	,m.r.c.\; .	2000		2	. DAT	E.
NTD BODGE	FY 199		TARY COM			PROGE	KAM			
AIR FORCE 3. INSTALLATION	ON AND LOCAT		mputer (MMAND			5	. ARE	A CONST
DAVIS-MONTHAN				7. 00	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					T INDEX
ARIZONA	AIR FORCE I	JAGE į		ATR C	омват	COMN	AND			96
6. PERSONNEL		PERMA	NENT		UDENTS			PORTE		
STRENGTH	101		CIV			CIV	OFF		CIV	TOTAL
a. As of 30 S			3 1440				10		400	
b. End FY 200		1	7 1278				10	40	400	
D. Elia FI 200	<u> </u>		VENTORY	DATA	(S000))			• •	
a. Total Acre	age: (10									
b. Inventory	Total As Of	: (30	SEP 94)					2	81,21	.7
c. Authorizat									13,75	
d. Authorizat				gram:					4,80	
e. Authorizat	ion Include	d In Fo	llowing	Progr	am:	(FY]	1997)		4,50	
f. Planned In						•	•		6,71	
g. Remaining		· J							37,48	
h. Grand Tota								3	48,47	1
8. PROJECTS R	EQUESTED IN	THIS P	ROGRAM:	FY I	1996					-
CATEGORY	~						COST	DE	SIGN	STATUS
CODE	PROJECT	TITLE		5	SCOPE		(\$000) <u>s</u>	TART	CMPL
				_				_		
211-159 ALTE	R AIRCRAFT (ON	3	18,650	SF	1,00	0 JU	N 94	JUL 95
721-312 DORM		11			88	PN	3.80	o ju	N 94	JUL 95
721-312 DORM	TIONI				TOTAL	_	4,80			
9a. Future P	rojects: I	ncluded	in the	Follo					7)	
211-175 AIRC					26,000				,	
					TOTAL	_	4,50			
9b. Future P	rojects: T	ypical	Planned	Next	Four	Years	3 :			
211-159 CORR					15,400			0		
216-642 ADD		R CONVE			8,100	SF	64	7		
441-628 SUPP			DEPOT		9,000	SF	87	2		
880-232 FOAM	FIRE SYSTE	М		1	36,435	SF	2,50	0		
10. Mission	or Major Fu	nctions	: Head	quarte	ers 12	th A	ir For	ce; a	wing	with
two fighter t	raining squ	adrons	respons	ible :	for tr	aini	ng all	A/OA	10	
aircrews, one	A/OA-10 fi	ghter s	quadron	, two	EC-13	0 el	ectron	ic co	mbat	
squadrons, an	d one EC-13	0 airbo	rne com	mand a	and co	ntro	l squa	dron;	an i	Air
Force Reserve	HH-60 resc	ue squa	dron; a	n Air	Natio	nal	Guard	air d	lefen	se
detachment (F	-16 aircraf	t); and	Air Fo	rce M	aterie	1 Co	mmand'	s Aer	ospa	ce
Maintenance a										
11. Outstand	ing polluti	on and	safety	(OSH)	defic	ienc	ies:			
a. Air	pollution:								1,50	
	r pollution	:							5,49	0
	pational sa		nd healt	h:						0
	r Environme									0

1. COMPONENT			2. DATE
AIR FORCE			
3. INSTALLAT	ION AND LOCATION	4. PROJECT TITLE	
DAVIS-MONTHAN	AIR FORCE BASE, ARIZONA	DORMITORY	
5. PROGRAM EI	LEMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJ	JECT COST(\$000)

			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
DORMITORY (88 PN)	LS			2,870
DORMITORY	SF	31,200	90	(2,808)
AUTOMATIC SPRINKLER SYSTEM	SF	31,200	2	(62)
SUPPORTING FACILITIES				560
UTILITIES	LS			(265)
PAVEMENTS	LS			(140)
SITE IMPROVEMENTS	LS]		(155)
SUBTOTAL				3,430
CONTINGENCY (5%)				172
TOTAL CONTRACT COST				3,602
SUPERVISION, INSPECTION AND OVERHEAD (6%)				216
TOTAL REQUEST				3,818
TOTAL REQUEST (ROUNDED)	1			3,800
		1		

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Construct exterior site improvements to include lighting, recreation area with shelter, volleyball court.

Air Conditioning: 150 Tons. Grade Mix: 88 E1-E4.

721-312

11. REQUIREMENT: As required.

2.74.19

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A major Air Force objective provides unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. The dormitory is needed to support the new mission beddown of EC-130s which arrived July 1994. Estimated intended utilization is 88 personnel: 88 E1-E4, with a maximum utilization of 88 personnel.

<u>CURRENT SITUATION</u>: The base has insufficient facilities to accommodate the increased requirement for unaccompanied enlisted personnel housing. This requirement is a direct result of the increase in manpower resulting from the beddown of the new wing. Local off-base rentals and the cost of utilities are too expensive for junior enlisted personnel.

IMPACT IF NOT PROVIDED: A sufficient number of on-base living quarters will not be available to meet the housing requirement for unaccompanied enlisted personnel. Personnel will be forced to live off-base which will result in a higher cost for housing. This condition will continue to contribute to low morale, reduced productivity, and dissatisfaction with

1. COMPONENT			2. DATE	Ξ
	FY 1996 MILITARY CONSTRUCTION PROJECT	CT DATA	l	
AIR FORCE	(computer generated)			
3. INSTALLATI	ION AND LOCATION			
DAVIS-MONTHAN	N AIR FORCE BASE, ARIZONA			
4. PROJECT TI	ITLE	5. PF	ROJECT NU	JMBER
		İ		
DORMITORY			2011/05 2000	2

Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
IR FORCE (computer generated)		
. INSTALLATION AND LOCATION		
AVIS-MONTHAN AIR FORCE BASE, ARIZONA		
. PROJECT TITLE	5. PRO	JECT NUMBER
ORMITORY	FBI	1V953009
2. SUPPLEMENTAL DATA:		
2. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
(1) Status:		
(a) Date Design Started		94 JUN 01
(b) Parametric Cost Estimates used to develop	costs	Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		94 AUG 30
(e) Date Design Complete		95 JUL 30
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		DAVIS-MO
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a) Production of Plans and Specifications		228
(b) All Other Design Costs		114
(c) Total		342
(d) Contract		228
(e) In-house		114
(4) Construction Start		96 JAN
. Equipment associated with this project will be provide		

1. COMPONENT							2	. DAT	?E
	FY 1996 MIL:				PROGF	MAS			
AIR FORCE		omputer o						3.57	EA CONS
3. INSTALLATION AND	LOCATION			DIAMM			2		
				DUCAT					T INDEX
LUKE AIR FORCE BASE				RAINI					.00
6. PERSONNEL	PERM	ANENT		UDENT			PORTE		-
STRENGTH	OFF EN		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	647 50		[1	-	140	7,183
. End FY 2000	583 443					1	40	140	6,442
		NVENTORY	DATA	(\$000)				
a. Total Acreage:							_		
o. Inventory Total								64,80	
c. Authorization No								21,10	
d. Authorization Re	equested In '	This Pro	gram:					5,20	00
e. Authorization In	cluded In F	ollowing	Progr	am:	(FY]	.997)			0
f. Planned In Next	Four Program	m Years:						4,40	
g. Remaining Defici								23,50	
n. Grand Total:							3	19,00	06
B. PROJECTS REQUEST	TED IN THIS	PROGRAM:	FY 1	.996					
CATEGORY						COST	DE	SIGN	STATUS
CODE PI	ROJECT TITLE		5	COPE		(\$000	<u>) s</u>	TART	CMPL
721-312 DORMITORY				108	PN	5,20	UA O	G 93	MAY 9
				TOTAL	:	5,20	0		
a. Future Project	s: Include	d in the	Follo	wing	Progr	am (F	Y 199	7) NO	ONE
9b. Future Project	s: Typical	Planned	Next	Four	Years	5:			
	SE SUPPLY WA			15,000		1,20	0		
740-675 RECREATION	N LIBRARY		2	28,000	SF	3,20	0		
10. Mission or Ma	or Function	s: A fi	ghter	wing	with	six F	'-16 s	quadi	cons
responsible for tra	aining all F	-16 airc	rews;	an F-	16 f:	ighter	· trai	ning	
squadron that condu	acts trainin	g for Si	ngapoi	e Air	For	ce air	crews	; an	Air
Combat Command air	control squ	adron; a	nd an	Air F	orce	Reser	ve fi	ghte	c
group with one F-10									
11. Outstanding po	ollution and	safety	(OSH)	defic	ienc	ies:			
a. Air pollu	tion:							(0
b. Water pol								1	0
_	nal safety a	nd healt	h:						0
_	ironmental:								0
d. Other Env	22011110110221								
								•	

Page No

1. COMPONENT			2. DATE						
FY	FY 1996 MILITARY CONSTRUCTION PROJECT DATA								
AIR FORCE	AIR FORCE (computer generated)								
3. INSTALLATION AND	LOCATION	4. PROJECT	TITLE						
LUKE AIR FORCE BASE	, ARIZONA	DORMITORY							
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)						
2.75.97	721-312	NUEX933014	5,200						

9. COST ESTIMATES

7. 0081 2011:11:				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (108 PN)				4,099
DORMITORY	SF	38,300	105	(4,022)
AUTOMATIC SPRINKLER PROTECTION	SF	38,300	2	(77)
SUPPORTING FACILITIES				550
UTILITIES	LS			(175)
PAVEMENTS	LS			(175)
SITE IMPROVEMENTS	LS			(200)
SUBTOTAL				4,649
CONTINGENCY (5%)				232
TOTAL CONTRACT COST	Ì			4,881
SUPERVISION, INSPECTION AND OVERHEAD (6%)				293
TOTAL REQUEST				5,174
TOTAL REQUEST (ROUNDED)				5,200
	1 1			

10. Description of Proposed Construction: Masonry walls, concrete foundation and floor slab, structural frame and metal roof system. Includes room-bath-room modules, day rooms, linen storage, mechanical equipment room, communications, fire protection, utilities, parking, and all other necessary support.

Air Conditioning: 50 Tons. Grade Mix: 108 El-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (New Mission)

REQUIREMENT: A dormitory is required to house additional unaccompanied enlisted personnel associated with the beddown of two additional F-16 squadrons at Luke AFB. A major Air Force objective is to provide unaccompanied enlisted personnel with on-base housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.

CURRENT SITUATION: The base does not have sufficient housing facilities to accommodate the unaccompanied enlisted personnel increase resulting from the beddown of two additional F-16 aircraft squadrons (48 aircraft) at Luke AFB. These aircraft are scheduled to be on station in second quarter of FY95. Many of the personnel who qualify for on-base unaccompanied housing are forced to live off base. The cost of off-base housing and commuting make living off base too expensive for many junior enlisted personnel. For many airmen, this is their first assignment. They have no experience managing a household and require the support

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJ	2. DATE ECT DATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LUKE AIR FORCE BASE, ARIZONA	
4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY	NUEX933014

networks inherent with on-base dormitories.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will be forced to live off-base. An annual cost of \$1,315,094 million for off-base housing will be incurred. Personnel will not be able to afford off-base housing that meets Air Force standards and will incur additional commuting costs. Personnel will be forced to live in substandard housing degrading the morale, productivity, and career satisfaction of the enlisted force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing alternatives of direct compensation and new construction. Based on the present value of benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

			0 0100
1. COMPON	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE		(computer generated)	n
		ON AND LOCATION	
LUKE AIR	FORCE	E BASE, ARIZONA	
4. PROJEC	r TII	LE :	5. PROJECT NUMBER
OORMITORY			NUEX933014
l2. SUPPI	LEMEN	ITAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	itus:	
		Date Design Started	93 AUG 31
		Parametric Cost Estimates used to develop co	
		Percent Complete as of Jan 1995	35%
		Date 35% Designed.	95 JAN 20
	(e)	Date Design Complete	95 MAY 31
(2)	Bas	is:	
	(a)	Standard or Definitive Design -	YES
	(p)	Where Design Was Most Recently Used -	LUKE
(3)	Tot	al Cost $(c) = (a) + (b)$ or $(d) + (e)$:	(\$000
		Production of Plans and Specifications	307
	(b)	All Other Design Costs	160
	(C)	Total	467
	(d)	Contract	285
	(e)	In-house	182
(4)	Con	struction Start	96 JAN
	ent .	associated with this project will be provided ations: N/A	

1. COMPONENT							2	. DAI	'E
	FY 1996 MI	LITARY CO	ONSTRUC	CTION	PROGE	RAM			
AIR FORCE		computer					İ		
3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA CONS									
							j	cos	T INDEX
LITTLE ROCK AIR FOR	CE BASE, A	RKANSAS	AIR C	COMBAT	COM	IAND		0.	80
6. PERSONNEL		MANENT		CUDENT	s	SUP	PORTE	D	
STRENGTH		NL CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	665 3	675 642	2			1	17	50	5,050
b. End FY 2000	704 3		2			1	17	50	4,905
		INVENTOR	DATA	(\$000)				
a. Total Acreage:	(7,210)							
b. Inventory Total	•)				1	91,68	1
c. Authorization No								8,05	0
d. Authorization Re								2,50	0
e. Authorization In	cluded In	Following	Prog	cam:	(FY	1997)		16,40	00
f. Planned In Next				¢				8,62	0
g. Remaining Defici								15,00	00
h. Grand Total:	•						2	42,25	51
B. PROJECTS REQUEST	ED IN THIS	PROGRAM	: FY	1996					
CATEGORY						COST	DE	SIGN	STATUS
CODE PR	OJECT TITL	E	3	SCOPE		(\$000	<u>) s</u>	TART	CMPL
		_							
832-266 UPGRADE SA	NITARY SEW	ER SYSTE	M	57,130	LF			N 94	SEP 95
				TOTAL		2,50			
9a. Future Project	s: Includ	ed in th						7)	
141-753 C-130 SQUA	DRON OPERA	TIONS/	•	94,000	SF	12,80	0		
AIRCRAFT	MAINTENANC	E UNIT F	AC						
149-962 CONTROL TO	WER				LS	•			
831-155 INDUSTRIAL	WASTEWATE	R			LS	1,20	00		
PRETREATM	ENT FACILI	TIES				,	_		
				TOTAL		16,40	0		
9b. Future Project				Four		s:	_		
130-841 SECURITY P					LS	44			
214-000 VEHICLE RE				4,200					
740-674 ADD TO AND FITNESS C		SICAL		54,000) SF	6,40	00		
843-314 FIRE PROTE	CTION WATE	R MAINS			LS		20		
10. Mission or Maj	or Functio	ns: An	airlif	t wing	wit	h four	c-13	30	
squadrons, one of w	hich condu	cts C-13	O trai	ning 1	for a	ll Dol) cowh	onen	ts and
foreign countries;	an Air Nat	ional Gu	ard ai	rlift	grou	p with	one	C-13	0
squadron; and the U	SAF Combat	Aerial	Delive	ry Sch	nool.				
11. Outstanding po	llution an	d safety	(OSH)	defic	cienc	ies:			
a. Air pollut	ion:							1,50	0
b. Water poll								3,69	0
c. Occupation		and heal	th:						0
d. Other Envi	_								0
u. Other Envi									
	,	,							
	•								

1. COMPONENT									2	. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA										
AIR FORCE (computer generated)										
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							Æ			
LITTLE ROCK A	AIR FOR	RCE BAS	E, AR	KANSAS	S	UP	GRADE SAN	ITAR	Y SEWER	SYSTEM
5. PROGRAM EL	LEMENT	6. CAT	EGORY	CODE	7. P	ROJEC'	NUMBER	8.	PROJECT	COST(\$000)
2.74.56C		83	2-266		N	KAK96	3011			2,500
				0000	n nom	T1/2 (17)	,			

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE SANITARY SEWEK SYSTEM	LS			2,014
SANITARY SEWER LINES	LF	29,000	49	(1,421)
SLIP LINE SANITARY SEWER	LF	6,000	39	(234)
REPAIR MANHOLES	EA	233	1,540	(359)
SUPPORTING FACILITIES				150
SITE WORK	LS			(150)
SUBTOTAL	1	ε		2,164
CONTINGENCY (10%)				216
TOTAL CONTRACT COST	}			2,380
SUPERVISION, INSPECTION AND OVERHEAD (6%)				143
TOTAL REQUEST				2,523
TOTAL REQUEST (ROUNDED)				2,500
		Ì		
		1		
		1	}	
		1	1	

- 10. Description of Proposed Construction: Replace deteriorated sections of existing sewer lines and slip line as required; eliminate cross-connections between sanitary sewer and storm drainage; replace/repair degraded manholes; sitework to include pavement replacement of roads, parking lots, sidewalks and landscaping; dewatering, shoring and other necessary support.
- 11. REQUIREMENT: 57,130 LF ADEQUATE: 28,565 LF SUBSTANDARD: 28,565 LF PROJECT: Upgrade existing sanitary sewer system. (Current Mission)
 REQUIREMENT: This is a Level I environmental compliance requirement.
 Currently, Little Rock AFB cannot comply with the Clean Water Act (CWA) under 40 Code of Federal Regulations (CFR) 403 for pretreatment of permitted discharges and under 40 CFR 122 for direct National Pollution Discharge Elimination System (NPDES) discharges. The Industrial Wastewater Discharge Permit issued by the City of Jacksonville Wastewater Utility prohibits discharge of untreated sewage to "waters of the state". Repair of sanitary sewer mains is required to maintain structural integrity of the sewer system for dependable transfer of the wastewater from the source to the treatment facility.

CURRENT SITUATION: Permit violations have been documented regarding excessive infiltration/inflow of wastewater discharge. During excessive rainfall, sewer discharge increases threefold. Periodically, line failure releases untreated sewage to area surface streams violating the NPDES permit and CWA. In 1993, the base sent several notices to the State reporting infiltration/inflow related system surges and releases due to line failures. The base received a Notice of Violation (NOV) from EPA due to releases of untreated wastewater to surface waters on 21 July 1992. IMPACT IF NOT PROVIDED: The base will continue to receive Notices of

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION LITTLE ROCK AIR FORCE BASE, ARKANSAS 4. PROJECT TITLE 5. PROJECT NUMBER UPGRADE SANITARY SEWER SYSTEM NKAK963011

Violations (NOVs) due to non-compliance with CWA requirements. Fines and penalties up to \$25,000 per day may be levied against Little Rock AFB in conjunction with NOVs.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known effective options were considered during the development of this project. 'No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LITTLE ROCK AIR FORCE BASE, ARKANSAS	
4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE SANITARY SEWER SYSTEM	NKAK963011
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 JUN 22
(b) Parametric Cost Estimates used to develop of	
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	95 JAN 01
(e) Date Design Complete	95 SEP 30
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	150
(b) All Other Design Costs	50
(c) Total	200
(d) Contract	150
(e) In-house	50
(4) Construction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPO		1996	MILITA	ARV COI	NCTPIIO	ייידר איי	PROGI	мая		2. DA	ΓE
AIR FORC	ľ	1990		outer o			PROGR	KAN'I			
	LLATION AND L	OCATIO		oucer .		DMMAND				5. ARI	EA CONS
J. INSIA	DEATION AND D	OCHIIC	714		1. 00					1	ST INDE
BEATE AT	R FORCE BASE,	CALTI	ATMAOS		ATR (СОМВАТ	СОМ	CINAN		i	. 24
6. PERSO			PERMANI	TNS		UDENT			POR		
STREN			ENL				CIV	OFF		L CIV	TOTAL
	30 SEP 94	+	2750					1		18 137	
b. End F			2927					1		18 137	1
			7. INV		DATA	(\$000)				
a. Total	Acreage: (<i></i>				
	tory Total As	-	•	EP 94)						190,33	15
	rization Not									26,95	
	rization Requ			_	gram:					7,50	
	rization Incl					am:	(FY]	1997)		13,50	
	ed In Next Fo			_	-	•	•	•		19,05	•
	ning Deficien		_							26,81	
h. Grand	-	•								284,12	
8. PROJE	CTS REQUESTED	IN TH	IIS PRO	GRAM:	FY 1	996					
CATEGORY								COST	' I	DESIGN	STATUS
CODE	PROJ	ECT TI	TLE		5	COPE		(\$000	<u>י</u>	START	CMPL
911-146	LANDFILL CLO	SURE						7,50		JUN 94	JUL 9
						TOTAL		7,50			
	re Projects:					-	_			997)	
141-454	DEPLOYABLE G		STATIC	ON	5	3,700	SF	7,00	0		
	SUPPORT FAC								_		
831-155	INDUSTRIAL W			5			LS	1,50	10		
911-146	LANDFILL CLO	SURE				27	AC _	5,00			
						TOTAL			0		
	ure Projects:										
	FIRE/CRASH R					5,000					
214-425	VEHICLE OPER	ATIONS	S AND		3	88,000	SF	5,10	00		
610-128	ADD TO MILIT		ERSONNE	EL	1	5,000	SF	3,05	0		
610-249	WING HEADQUA				1	7,000	SF	4,70	00		
	INDUSTRIAL W		TER		•	.,,500	LS	•			
	TREATMENT F							-,	-		
10. Mis:	sion or Major			A fl	vina v	vina w	hich	inclu	ides	two U-	-2
	ssance squadr										
	; a Contigenc										
Force Spa	ace Command m	issile	warni	ing squ	uadron	n which					
	ray Warning						iona				
11. Out:	standing poll	ution	and Sa	recy	(USH)	ue:1C	Teuc;	res:			
a.	Air pollutio	n:								1,50	0
b.	Water pollut									6,69	0
	Occupational		y and	healt	h:						0
d.	Other Enviro		-							5,00	0

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA .
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	TITLE
BEALE AIR FORCE BA	SE, CALIFORNIA	LANDFILL CL	OSURE
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.74.56C	911-146	BAEY951004	7,500

COST ESTIMATES

9. COST ESTIMATES										
			UNIT	COST						
ITEM	מ/ט	QUANTITY	COST	(\$000)						
LANDFILL CLOSURE	AC	56	87,980	4,927						
SUPPORTING FACILITIES	-			1,500						
REVEGETATION	LS			(205)						
GAS MONITORING AND CONTROL	LS			(135)						
GROUNDWATER MONITORING	LS			(120)						
DRAINAGE	LS			(75)						
SECURITY AND FENCE	LS	:		(230)						
OTHER SUPPORT	LS			(<u>735</u>)						
SUBTOTAL				6,427						
CONTINGENCY (10%)				643						
TOTAL CONTRACT COST				7,070						
SUPERVISION, INSPECTION AND OVERHEAD (6%)				424						
TOTAL REQUEST				7,494						
TOTAL REQUEST (ROUNDED)				7,500						

10. Description of Proposed Construction: Plan and execute closure of Landfill No 3.

PROJECT: Close landfill. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. Landfill No 3 must be closed in accordance with California Code of Regulations (CCR) Title 23, Division 3, Chapter 15 and Title 14, Division 7, Chapters 3 and 5. In addition, Draft Waste Discharge Requirements (WDR) to be adopted by the California Regional Water Quality Control Board includes specifications for closure. CCR Title 14, Chapter 3, Article 7.8, Section 17763, requires the implementation of the Final Closure Plan for the named landfill within 30 days. Section 17773 CCR gives construction requirements for the design of the final cover. CURRENT SITUATION: Existing Landfills Nos 1, 2, and 3 require formal The California Regional Water Quality Control Board, the Integrated Waste Management Board, and the Yuba County Environmental Health Department have indicated that the base can proceed in reverse order: closure of Landfill No 3 in 1996; Landfill No 2 in 1997; and Landfill No 1 in 1998. Landfill No 3 operated from some time in 1980 until Oct 1993. Landfill No 2 operated from approximately 1960 until some time in 1980. Landfill No 1 operated from approximately 1940 until 1960. Beale AFB is currently using the Yuba-Sutter Disposal, Inc. landfill for solid waste disposal. All three landfills on Beale AFB are in violation of the "Record of Disposal Site Inspection" requirement for submittal of closure plans. These landfills are out of compliance with California State Regulations and draft WDR to be adopted by California Regional Water Quality Control Board.

^{11.} REQUIREMENT: As required.

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT I	2. DATE
AIR FORCE (computer generated)	PATA
3. INSTALLATION AND LOCATION	
BEALE AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
LANDFILL CLOSURE	BAEY951004

Page No

1. COMPO	NENT	FV 1996 MILITARY CONCERNS		DATE
AIR FORCE	e I	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A	
		(computer generated) ON AND LOCATION		
REATE AT	R FOR	CE BASE, CALIFORNIA		
. PROJEC			5. PROJE	CT NUMBER
ANDFILL	CLOS	URE	BAEYS	51004
2. SUP	PLEME	NTAL DATA:		
a. Est	imate	ed Design Data:		
. (1)	Sta	atus:		
, - ,		Date Design Started		94 JUN 01
		Parametric Cost Estimates used to develop co	osts	Y 001 01
	(c)	Percent Complete as of Jan 1995		35%
		Date 35% Designed.		94 AUG 30
		Date Design Complete		95 JUL 30
_				
(2)	Bas			
		Standard or Definitive Design -		NO
	(D)	Where Design Was Most Recently Used -		N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a)	Production of Plans and Specifications		325
	(b)	All Other Design Costs		90
		Total		415
		Contract		325
	(e)	In-house		90
(4)	Con	struction Start		96 JAN
Equipn her appr		associated with this project will be provided ations: N/A	from	

1. COMPONENT							[2	2. DA	TE
F	Y 1996 MILIT				PROGE	MAS			
AIR FORCE	(com	puter (1						
3. INSTALLATION AND	LOCATION		4. CC	DMMAND			!		EA CONS
			AIR E	FORCE					ST INDE
EDWARDS AIR FORCE BA	SE, CALIFORN	IA	MATE	RIEL CO	IAMMC				. 38
6. PERSONNEL	PERMAN			TUDENTS			PORT		_
STRENGTH	+	CIV		ENL	CIV	OFF			TOTAL
a. As of 30 SEP 94	1 1	1	1			27		1 862	_ ,
b. End FY 2000	650 3384		<u> </u>			27	5.	1 862	8,23
	7. INV	ENTORY	DATA	(\$000))				
a. Total Acreage: (
b. Inventory Total A							•	711,23	
c. Authorization Not								44,65	
d. Authorization Req								33,80	00
e. Authorization Inc	luded In Fol	lowing	Progr	cam:	(FY]	1997)		21,70	00
f. Planned In Next F	our Program	Years:							0
g. Remaining Deficie	ency:						1	102,30	00
h. Grand Total:							9	13,68	33
8. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY I	1996					
CATEGORY						COST	DE	ESIGN	STATUS
CODE PRO	JECT TITLE		5	COPE		(\$000) 5	TART	CMPL
311-114 F-22 ADD TO	AND ALTER		10	7,000	SF	12,10	IA O	PR 94	JUL 9
ENGINEERIN	G TEST FACIL	ITY							
317-932 ADD TO AND CHAMBER	ALTER ANECHO	IC	4	17,800	SF	11,10	0 M.	AR 94	OCT 9
721-312 DORMITORY				136	PN	10,60	0 м	AY 94	JUL 9
,21 312 3014111311				TOTAL:	_	33,80	_		
9a. Future Projects	: Included	in the	Follo	owing I	Progr			97)	
_	RCRAFT MAINT			34,000					
311-115 F-22 ALTER MAINTENANC			4	12,700	SF	4,40	0		
317-932 ADD TO AND	ALTER SIMULA	TOR			LS	4,90	0		
	OL FACILITY			2.4		4 40	_		
821-115 CONVERT BOI	LERS				EA -	4,40			
				TOTAL		21,70	U		
9b. Future Projects									
10. Mission or Majo									
Research and Develor									
for all USAF aircraf									
systems; a test wing									
Astronautics Directo	rate of Phil	lips L	aborat	tory.	Als	o, a l	andi	ng si	te for
the space shuttle.									
Outstanding pol	lution and s	afety	(OSH)	defic	ienc	ies:			
a. Air polluti	.on:							4,40	0
b. Water pollu	ition:								0
-	al safety and	healt	h:					f	0
d. Other Envir	-							9,60	0
ŧ									

1. COMPONENT			2. DATE
	FY 1996 MILITARY CON		
AIR FORCE	(computer	generated)	
3. INSTALLATIO	ON AND LOCATION	4. PROJECT TITLE	
	R		
EDWARDS AIR FO	ILITY		
5. PROGRAM ELI	EMENT 6. CATEGORY CODE 7	. PROJECT NUMBER 8. PROJE	CT COST(\$000)

FSPM963506

12,100

311-114

9. COST ESTIMA	TES			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
F-22 ADD TO AND ALTER ENGINEERING TEST				
FACILITY	SF	107,000		8,840
ADDITION	SF	57,000	100	(5,700)
ALTERATION	SF	50,000	46	(2,300)
PRE-WIRED WORKSTATIONS/COMM SUPPORT	LS			(840)
SUPPORTING FACILITIES				2,035
UTILITIES	LS	ŧ		(500)
PAVEMENTS/SITE INPROVEMENTS	LS			(235)
FIRE PROTECTION SYSTEMS	LS			(1,250)
DEMOLITION	SF	3,050	16	(50)
SUBTOTAL				10,875
CONTINGENCY (5%)				544
TOTAL CONTRACT COST		1		11,419
SUPERVISION, INSPECTION AND OVERHEAD (6%)		1		685
TOTAL REQUEST	-			12,104
TOTAL REQUEST (ROUNDED)		1		12,100
	1 1			

10. Description of Proposed Construction: Construct new additions for jet engine maintenance (20,000 SF), data reduction vault (12,000 SF) and storage (25,000 SF) of concrete foundation and floor slab, metal/concrete walls and roof system; alter portions of four existing buildings to accommodate F-22. Includes utilities, pavements and necessary support. Demolish four buildings.

Air Conditioning: 25 Tons.

6.42.39

11. REQUIREMENT: 203,200 SF ADEQUATE: 0 SUBSTANDARD: 146,750 SF PROJECT: Add to and alter an F-22 engineering test facility. (New Mission)

REQUIREMENT: The Air Force Flight Test Center requires secure and modern aircraft maintenance and testing facilities to house and conduct testing for the Engineering and Manufacturing Development (EMD) phase of F-22 Advanced Tactical Fighter aircraft. The EMD phase of the F-22 program includes a total of nine EMD aircraft that will be delivered to Edwards AFB by FY99. One EMD aircraft will be delivered in FY96, two in FY97, four in FY98 and the final two in FY99. Facilities for the main flight test engineering staff and maintenance bays are included in the FY95 MILCON. Additional facilities to support F-22 EMD aircraft are required for jet engine maintenance, storage, and a data reduction vault. Alteration or upgrade is needed for the existing shops, engineering work space, missile maintenance, ground support equipment maintenance, and classified destruction facilities to accommodate flight test operations personnel, management staff and avionics engineering personnel. Four buildings totaling 3,050 SF will be demolished. CURRENT SITUATION: There are no existing hangars at Edwards AFB that have

the proper electrical and mechanical systems to support testing, repairs,

Page No

-	1. COMPONENT			2. DATE
		FY	1996 MILITARY CONSTRUCTION PROJECT DATA	
	AIR FORCE		(computer generated)	
	3. INSTALLATI	ON AND	LOCATION	

EDWARDS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

F-22 ADD TO AND ALTER ENGINEERING TEST FACILITY

FSPM963506

calibration, and trouble-shooting of the advanced F-22 instrumentation and avionics systems. Also there are no existing jet engine maintenance, storage, data reduction vault, missile maintenance, ground support equipment maintenance, and classified destruction facilities that meet space and special security requirements.

IMPACT IF NOT PROVIDED: The Air Force will be forced to delay and slow the scheduled F-22 test activities, resulting in millions of dollars in cost growth and delaying start of production and initial operational capability.

ADDITIONAL: There is no criteria/scope for this project in either Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternatives were considered while developing this project. No other option could meet mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared. This is the second phase of a three-phased effort to provide adequate facilities for testing of F-22 aircraft. A follow-on MILCON project, programmed for FY97, will provide facilities to support the remaining EMD aircraft.

1. COMPONE	ENT			2. DATE	
		FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
AIR FORCE		(computer generated)			
3. INSTAL	LATIC	ON AND LOCATION			
EDWARDS A	IR FC	PRCE BASE, CALIFORNIA			
4. PROJECT	r TIT	PLE	5. PR	OJECT NUM	BER
F-22 ADD 1	MA OT	D ALTER ENGINEERING TEST FACILITY	FS	PM963506	
12. SUPPI	LEMEN	TAL DATA:			
a. Esti	Lmate	ed Design Data:			
(1)	Sta			04 355	••
		Date Design Started		94 APR	
		Parametric Cost Estimates used to develop	costs		Y
		Percent Complete as of Jan 1995		94 OCT	35%
		Date 35% Designed.		94 OCT 95 JUL	
	(e)	Date Design Complete		92 JOT	25
(2)	Bas	is:			
(~)		Standard or Definitive Design -		NO	
		Where Design Was Most Recently Used -		N/A	
	(~)	more beerg. Her need needing, each		.,	
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$	000)
	(a)	Production of Plans and Specifications			594
	(b)	All Other Design Costs		;	297
	(c)	Total			891
	(d)	Contract			
	(e)	In-house		;	891
/ A \	C	struction Start		96	
(4)	Con	action action		90 .	r LD

b. Equipment associated with this project will be provided from other appropriations: N/A

Page No

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTR	UCTION PROJECT DATA	
AIR FORCE	(computer ge	nerated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE	
		ADD TO AND ALTER AN	ECHOIC
EDWARDS AIR FO	RCE BASE, CALIFORNIA	CHAMBER	
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. F	ROJECT NUMBER 8. PROJ	ECT COST(\$000)

FSPM943501

9. COST ESTIMATI	ES			
	Ī		UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
ADD TO AND ALTER ANECHOIC CHAMBER	SF	47,800		8,045
ADDITION	SF	35,000	175	(6,125)
ALTERATION	SF	12,800	150	(1,920)
SUPPORTING FACILITIES	İ			1,945
UTILITIES	LS			(625)
RF SHIELDING	SF	18,000	65	(1,170)
COMMUNICATIONS SUPPORT	LS	:		(150)
SUBTOTAL				9,990
CONTINGENCY (5%)				500
TOTAL CONTRACT COST				10,490
SUPERVISION, INSPECTION AND OVERHEAD (6%)]			629
TOTAL REQUEST	1			11,119
TOTAL REQUEST (ROUNDED)	1			11,100

10. Description of Proposed Construction: Alter the ground floor and construct two floors in unfinished portion of the anechoic chamber. Work includes steel framing, concrete floors, masonry walls, interior partitions, clean rooms with Radio Frequency Interference (RFI) shielding, insulation, and vibration/sound attenuation. Also modify and extend utilities and provide necessary support.

Air Conditioning: 100 Tons.

11. REQUIREMENT: 214,250 SF ADEQUATE: 162,300 SF

317-932

SUBSTANDARD: 16,200 SF

6.58.07

PROJECT: Add to and alter an anechoic chamber. (New Mission) REQUIREMENT: Additional specialized space is required to test electronic combat and integrated avionics systems for advanced aircraft such as the F-22, F-117, B-2, and C-17. Weapons system components must first be tested in clean rooms with Radio Frequency Interference (RFI) and Electro-Magnetic Pulse (EMP) shielding and then be transferred to the anechoic chamber for integrated testing on full scale aircraft. Shielded rooms must be able to test classified threat generators, target simulators and other sophisticated electronic test equipment used to simulate hostile enemy airspace without compromising data collection or security. CURRENT SITUATION: There are no specialized rooms or support space in the anechoic facility to test new weapon system components prior to integrated testing on test aircraft. Existing rooms in an adjacent facility fragment the workforce and lack required security, and RFI and EMP shielding. After weapon system components are individually tested in individual specialized rooms in the adjacent facility, they are then transferred to the anechoic chamber for integrated testing on full-scale aircraft. Transferring the components to the anechoic chamber requires additional

1	. COMPONENT			2. DATE
1		FY	1996 MILITARY CONSTRUCTION PROJECT DATA	
A.	IR FORCE		(computer generated)	
3	. INSTALLATI	ON AND	LOCATION	

EDWARDS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

ADD TO AND ALTER ANECHOIC CHAMBER

FSPM943501

security measures and increases scheduling conflicts. Electronic test conditions in both the specialized rooms and the anechoic chamber cannot be tailored for each weapon component because there are more components being tested at any one time than there are specialized rooms. Ferrying components back and forth from the adjacent facility to the anechoic chamber can be extremely time consuming since components must compete for space for initial setup and subsequent modifications. IMPACT IF NOT PROVIDED: New and upgraded weapon systems will require more extensive flight testing at much greater cost to assure minimum developmental risk and cost. The lack of adequate specialized space with RFI and EMP shielding will continue to compromise test and data collection, thereby resulting in program slippage and costly overruns. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra l
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
EDWARDS AIR	FORCE BASE, CALIFORNIA	
PROJECT T		5. PROJECT NUMBER
ADD TO AND A	TER ANECHOIC CHAMBER	FSPM943501
12. SUPPLEM	ENTAL DATA:	
a. Estima	ed Design Data:	
(1) S	atus:	•
(a)	Date Design Started	94 MAR 20
(b	Parametric Cost Estimates used to develop of	osts
	Percent Complete as of Jan 1995	359
(d	Date 35% Designed.	94 SEP 15
(e)	Date Design Complete	95 OCT 20
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	600
(b)	All Other Design Costs	399
(c)	Total	999
(d)	Contract	659
(e)	In-house	340
(4) Co	nstruction Start	96 FE
. Equipment	associated with this project will be provide iations: N/A	d from

1. C	OMPONENT						2.	DATE
		FY	1996 MILITA	RY CONSTRUCT	1017	N PROJECT DATA		
AIR	FORCE							
3. I	NSTALLATI	ON AND	LOCATION		4.	PROJECT TITLE		

EDWARDS AIR FORCE BASE, CALIFORNIA DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

721-312 FSPM943013 7.28.06 10,600

9.	COST	ESTIMAT	'ES

				UNIT	COST	
_	ITEM	U/M	QUANTITY	COST	(\$000)	
	DORMITORY (136 PN)	SF	48,300	130	6,279	
	SUPPORTING FACILITIES				3,230	
	UTILITIES	LS	!		(600)	
	SITE IMPROVEMENTS	LS	i		(300)	
	PAVEMENTS	LS			(650)	
	DEMOLITION	SF	56,000	23	(1,290)	
	ASBESTOS REMOVAL	SF	56,000	7	(390)	
	SUBTOTAL	ļ			9,509	
	CONTINGENCY (5%)				475	
	TOTAL CONTRACT COST				9,984	
	SUPERVISION, INSPECTION AND OVERHEAD (6%)				599	
	TOTAL REQUEST				10,583	
	TOTAL REQUEST (ROUNDED)				10,600	
					,	

10. Description of Proposed Construction: Reinforced concrete foundation, floor slabs, masonry walls and roof system. Includes interior partitions, room-bath-room modules, laundries, storage, lounge areas, vehicle access pavement and necessary support. Demolish four buildings. Air Conditioning: 100 Tons. Grade Mix: 136 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 El-E4, with a maximum utilization of 136 personnel. CURRENT SITUATION: The base has insufficient facilities to accommodate unaccompanied enlisted personnel. Local rentals and utilities are so expensive that enlisted personnel cannot afford to live in off-base housing which is located several miles from the base. The existing wooden dormitories were originally built in the 1950s and are poorly suited to the hot, dry climate and and do not meet California seismic standards. The desert climate causes the wood to dry and crack. Frequent tremors have caused the buildings to sway and further degrade the aging structures. Space authorizations have changed in the 40 years since the dorms were designed and constructed, and the rooms are currently undersized and substandard. The existing conditions and configuration of the buildings, combined with the presence of asbestos, would make

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUC	CTION PROJECT DATA
AIR FORCE (computer gene	erated)
3. INSTALLATION AND LOCATION	
EDWARDS AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY	FSPM943013

renovation a costly and uneconomical alternative. Any renovation would leave the wood structure unchanged and subject to the effects of the desert environment. Completion of this project will allow demolition of four WW II wood buildings totalling 56,000 square feet. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks. morale will contribute to retention difficulties for the Air Force. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standard established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior exits.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
	ORCE BASE, CALIFORNIA	1	
4. PROJECT TI	TLE	5. PR	OJECT NUMBER
DORMITORY			
DORMITORI] FS	PM943013
12. SUPPLEME	NTAL DATA:		
iz. SOFFEENE	MIAD DAIA:		
a. Estimat	ed Design Data:		
	ou boorg buou.		
(1) St	atus:		
`´(a)	Date Design Started		94 MAY 08
	Parametric Cost Estimates used to develop	costs	y
	Percent Complete as of Jan 1995		35%
(d)	Date 35% Designed.		94 SEP 15
(e)	Date Design Complete		95 JUL 25
(2) Ba	sis:		
(a)	Standard or Definitive Design -		NO
(p)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		564
	All Other Design Costs		282
(c)	Total		846
(d)	Contract		
(e)	In-house		846
(4) Cor	nstruction Start		96 FEB
. Equipment	associated with this project will be provide	nd 64	

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT					- 				2	. DA	re	
AIR FORCE	FY 1	1996	MILITA	RY CON			PROGI	RAM				
3. INSTALLAT	ON AND LOC	חדתמי		ucci (MMAND			- 5	. AR	EA CO	NST
J. INSTRUMENT	ON AND BOO	JATIC	74 1			OBILI	rν				ST IN	
MDAVIC AID EC	NOCE DACE	CATT	EODNI A		COMMA						.25	DEA
TRAVIS AIR FO	DRCE BASE,						-	CUD	202000		. 25	
6. PERSONNEL	+-		ERMANE			UDENT			PORTE		<u> </u>	
STRENGTH	+	OFF		CIV	OFF	ENL	CIV	OFF		CIV		
a. As of 30 S			6269		l			21		117	,	733
b. End FY 200	00 [1	1257	6870	1979				21	165	117	10,4	<u> 409</u>
		7	. INVE	NTORY	DATA	(\$000))					
a. Total Acre	eage: (6,9	22)									
b. Inventory	Total As C	Of:	(30 SE	P 94)					4	55,1	59	
c. Authorizat										46,70	00	
d. Authorizat					gram:					27,30	00	
e. Authorizat						am:	(FY 1	1997)		6,60		
f. Planned In				_	_		•	•		22,4		
g. Remaining			J							13,80		
h. Grand Tota	_	· •								71,9		
8. PROJECTS I		ראו ידי	ITS DDO	GRAM.	FY 1	996				1 /		
	(EQUESTED)	IN II	IIS FRO	GIGHI.	rı			COST	שת	STON	STATI	10
CATEGORY	220 720	~~ ~~	. mr. m			CODE						_
CODE	PROJEC	or Ti	TLE		2	COPE		(\$000	2 5	TART	CM	<u> </u>
141-753 SQUA	ADRON OPERA				3	1,600	SF	7,400	ON C	V 93	APR	95
	LO ADD TO E	FLIGH	T SIMU	LATOR		7,000	SF	2,400	UA C	G 94	MAY	95
442-257 BASE	HAZ MATER	RIALS	STORA	.GE		7,800	SF	600) DE	C 90	SEP	91
721-312 DORN	MITORY					98	PN	6,400	ט סט	L 94	JUN	95
721-312 DORM	MITORIES					142	PN	10,500	ט די	N 94	JUN	95
						TOTAL	_	27,300	_			
9a. Future H	Projects:	Incl	uded i	n the	Follo	wing I	Progr			7)		
	MITORY					-	-	6,600		•		
, , , , , , , , , , , , , , , , , , , ,						TOTAL	-		_			
9b. Future F	Projects:	Typi	cal Pl	anned	Next							
	HT OPERATI							9,500	า			
218-868 PREC		OUKIN	G EQUI	r LAB								
	MITORY				_	252		10,50				
811-147 EMEF							LS	61				
10. Mission	_				-							r
mobility wing												
Force Reserve												
Air Mobility									ical	cent	er.	
11. Outstand	ding pollut	tion	and sa	fety	(OSH)	defic	ienc:	ies:				
a. Air	pollution:	:									0	
	er pollution										0	
	pational s		v and	healti	h:					2,50	~	
	-		_	carcı	•••						0	
d. Othe	er Environm	uentă	17:								•	

	1. COMPONENT						2.	DATE
		FY 1996 MIL:	TARY C	ONSTRUC	TION PF	OJECT DA	ra	
	AIR FORCE		comput	er gener	rated)			
	3. INSTALLATI	ON AND LOCATION			4. PRO	JECT TIT	LE	
					SQUADE	ON OPERA	TIONS/AIR	CRAFT
-		RCE BASE, CALIFO					IT FACILI	TY
	5. PROGRAM EL	EMENT 6. CATEGOR	Y CODE	7. PROS	JECT NU	MBER 8.	PROJECT	COST(\$000)
į								
	4.18.96	141-75	3	XDAT	953250			7,400
			9. cos	r estima	TES			
l							UNIT	COST
	·	ITEM			ע/ש	QUANTIT	COST	(\$000)
١	SQUADRON OPER	ATIONS/AIRCRAFT						
I	MAINTENANCE U	NIT FACILITY			SF	31,600	150	4,740
	SUPPORTING FA	CILITIES			.			1,870
l	UTILITIES				LS			(425)
ı	PAVEMENTS				LS	Į.		(300)
١	SITE IMPROV	EMENTS			LS			(270)
١	DEMOLITION/	ASBESTOS REMOVAL	/DISPOS	SAL	SF	32,700	23	(750)
l	ELEVATOR				EA	1	125,000	(125)
l	SUBTOTAL							6,610

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, an elevator, demolition, site improvements, and assetos removal/disposal.

Air Conditioning: 65 Tons.

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. It replaces the existing undersized and separated squadron operations and AMU facilities with a functional and adequately sized structure to support flyers and maintainers of large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, standardization/evaluation, training and testing, locker rooms, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is part of the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: Existing Sq Ops/AMU operations are accomplished in undersized, physically separated, and substandard wooden facilities constructed in the mid-1950s. These facilities have historically been overcrowded, a condition further exasperated with the squadron unification. Inefficiencies include fragmented lines of

331

416

6,941

7,357

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	

TRAVIS AIR FORCE BASE, CALIFORNIA

4. PROJECT TITLE

5. PROJECT NUMBER

SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY

XDAT953250

communications/authority, lack of space for mission planning and briefings, inadequate space for equipment storage, deteriorated electrical and mechanical systems, and lack of space for tool cribs, bench stock, flight planning operations, and maintenance. A total of 32,700 square feet of substandard space will be demolished as a result of this project. IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated, substandard, and undersized buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	PRCE BASE, CALIFORNIA	
4. PROJECT TI	TLE	5. PROJECT NUMBER
SQUADRON OPER	ATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	XDAT953250
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) 6+	atua.	
(1) St	Date Design Started	93 NOV 15
	Parametric Cost Estimates used to develop of	
	Percent Complete as of Jan 1995	65%
	Date 35% Designed.	94 FEB 01
1	Date Design Complete	95 APR 18
(6)	bate besign complete	75 AFR 10
(2) Ba	sis:	
, , ,	Standard or Definitive Design -	YES
	Where Design Was Most Recently Used -	TRAVIS
, ,	,	
(3) To	tal Cost $(c) = (a) + (b)$ or $(d) + (e)$:	(\$000)
(a)	Production of Plans and Specifications	370
(b)	All Other Design Costs	130
	Total	500
,	Contract	430
(e)	In-house	70
(4) Co	nstruction Start	96 MAR
.		× •
	associated with this project will be provide	d from
other appropr	iations: N/A	

1. COMPONENT		
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION 4. PROJECT TITLE	
	KC-10 ADD TO FLIGHT SIMULATOR	t
TRAVIS AIR FO	ORCE BASE, CALIFORNIA FACILITY	
5. PROGRAM EI	LEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$	(000

XDAT963050

171-212

4.12.19

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
KC-10 ADD TO FLIGHT SIMULATOR FACILITY	SF	7,000	240	1,680
SUPPORTING FACILITIES		İ		385
UTILITIES	LS			(160)
SITE IMPROVEMENTS	LS			(125)
PAVEMENTS	LS			(100)
SUBTOTAL				2,065
CONTINGENCY (10%)		٤		207
TOTAL CONTRACT COST				2,272
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1			136
TOTAL REQUEST				2,408
TOTAL REQUEST (ROUNDED)				2,400
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(8,500)

- 10. Description of Proposed Construction: Demolition of existing exterior wall, construction of addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior walls to match existing facility, and necessary support. Air Conditioning: 30 Tons.
- 11. REQUIREMENT: 56,330 SF ADEQUATE: 49,330 SF SUBSTANDARD: 22,775 SEPROJECT: Add to KC-10 flight simulator training facility. (New Mission) REQUIREMENT: Construction is required to support Air Force tanker realignment and beddown of five additional KC-10 operational aircraft expected in the fourth quarter of FY 94. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential to provide hazardous emergency training procedures that cannot otherwise be provided. This facility directly supports flight crew training, with a simulator bay, computer room, instructor offices, lesson preparation areas, learning center, scheduling and briefing rooms, visual aids storage, mechanical room, and all necessary support.

 CURRENT SITUATION: The existing KC-10 flight simulator facility has only

CURRENT SITUATION: The existing KC-10 flight simulator facility has only one bay and cannot support the required flight simulator training mission of KC-10 air crews for 24 PAA. The Air Force requires four KC-10 Weapons Systems Trainers (WSTs) but currently only has three. The new bay is required to house the fourth WST with an expected delivery date of 1 Sep 97.

IMPACT IF NOT PROVIDED: Aircrew members will not be able to receive
essential training to complete the realignment and beddown of the
additional KC-10 operational aircraft.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However,

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PRO	2. DATE
AIR FORCE	(computer generated)	
	ON AND LOCATION RCE BASE, CALIFORNIA	
4. PROJECT TI		5. PROJECT NUMBER
VC-10 NDD TO 1	TITOUT SIMILATOD FACILITY	XDAT963050

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates that there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT				2. DATE
AIR FORCE		ARY CONSTRUCTION : omputer generated		
	ON AND LOCATION	Simputer generated		
MDDUIC AID FO	NOT DACE CALLEON	JT N		
TRAVIS AIR FO 4. PROJECT TI	ORCE BASE, CALIFORM	VIA	5	. PROJECT NUMBER
KC-10 ADD TO	FLIGHT SIMULATOR E	FACILITY		XDAT963050
12. SUPPLEME	ENTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	catus:			
	Date Design Star			94 AUG 15
	Parametric Cost		o develop co	
	Percent Complete		•	45%
	Date 35% Designe			94 OCT 07 95 MAY 10
(e)	Date Design Comp	blete		95 MAI 10
(2) Ba				
	Standard or Def:		_	NO
(b)	Where Design Was	s Most Recently U	sed -	N/A
	otal Cost (c) = (a)			(\$000)
(a)	Production of P	lans and Specific	ations	140
· ·	All Other Design	n Costs		100
	Total			240
•	Contract			180
(e)	In-house			60
(4) Co	onstruction Start			96 APR
	associated with	this project will	be provided	from
other approp	riations:			
			FISCAL YE	AR
EOU	JIPMENT	PROCURING	APPROPRIAT	ED COST
	ENCLATURE	APPROPRIATION	OR REQUEST	(\$000)
KC-10 FLIGHT	SIMULATOR DEVICE	3010	FY97	8500

1. COMPONEN	2. DATE	1
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	_
3. INSTALLA	ON AND LOCATION 4. PROJECT TITLE	
TRAVIS AIR	DRCE BASE, CALIFORNIA DORMITORY	
5. PROGRAM	EMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)	

XDAT963307

9. COST ESTIMAT	ES	1		
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (98 PN)				4,246
DORMITORY	SF	34,800	120	(4,176)
AUTOMATIC SPRINKLER PROTECTION	SF	34,800	2	(70)
SUPPORTING FACILITIES				1,460
UTILITIES	LS			(430)
PAVEMENTS	LS			(275)
SITE IMPROVEMENTS	LS			(250)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	25,200	20	(505)
SUBTOTAL				5,706
CONTINGENCY (5%)				285
TOTAL CONTRACT COST				5,991
SUPERVISION, INSPECTION AND OVERHEAD (6%)				359
TOTAL REQUEST				6,350
TOTAL REQUEST (ROUNDED)			•	6,400

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas and all necessary support. Includes the demolition of one dormitory.

Air Conditioning: 75 Tons. Grade Mix: 98 E1-E4.

721-312

11. REQUIREMENT: As required.

4.18.96

PROJECT: Construct dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 98 personnel: 98 E1-E4, with an maximum utilization of 98 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. One substandard facility totalling 25,200 square feet will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist degrading morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Excessive energy consumption and maintenance costs

1. COMPONENT FY 1996 MILITARY (CONSTRUCTION PROJECT DATA
1	ter generated)
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY	YDAT963307

will continue if these inefficient and substandard facilities remain in use.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off-base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (50 65 65 65 65 65 65 65 65 65			2. DATE
3. INSTALLATION AND LOCATION PRAVIS AIR FORCE BASE, CALIFORNIA 4. PROJECT TITLE SORMITORY A. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 FE			
## PROJECT TITLE 5. PROJECT NUMBER		<u> </u>	
A. PROJECT TITLE DORMITORY 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 5. PROJECT NUMBE XDAT963307 26 5. PROJECT NUMBE XDAT963307 94 SEP 3 95 JUN 0 95 SUN 0 (50 Octobroad) (6) Production of Plans and Specifications (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 FE	. INSTALLAT	ION AND LOCATION	
ADDRMITORY ZDAT963307 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start SDAT963307 ZDAT963307 ZDAT963307 STATUS (5) GU (6) P4 JUL 2 (6) SEP 3 (6) SEP 3 (6) SEP 3 (7) SEP 3 (8) SEP 3 (9) SEP 3	RAVIS AIR F	DRCE BASE, CALIFORNIA	
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	. PROJECT T	ITLE 5.	PROJECT NUMBER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	ORMITORY		XDAT963307
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 94 JUL 2 95 JUN 0 (500 (500 (2) Standard or Definitive Design - (500 (2) Where Design Was Most Recently Used - (500 (2) Total (b) or (d) + (e): (500 (4) Construction Start 96 FE	2. SUPPLEM	ENTAL DATA:	
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 94 JUL 2 95 JUN 0 (500 (7) Standard or Definitive Design - (1) Standard or Definitive Design - (2) Standard or Definitive Design - (3) Total Cost (c) = (a) + (b) or (d) + (e): (500 (4) Production of Plans and Specifications (d) Contract (e) In-house (f) Construction Start 96 FE	a. Estima	ted Design Data:	
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 65 (d) Date 35% Designed. 94 SEP 3 (e) Date Design Complete 95 JUN 0 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE	(1) S	tatus:	
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 65 (d) Date 35% Designed. 94 SEP 3 (e) Date Design Complete 95 JUN 0 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE) Date Design Started	94 JUL 21
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. 94 SEP 3 (e) Date Design Complete 95 JUN 0 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE			sts Y
(d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 FE			659
(e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE			94 SEP 30
(a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE	·	· · · · · · · · · · · · · · · · · · ·	95 JUN 05
(b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$00 (a) Production of Plans and Specifications 38 (b) All Other Design Costs 26 (c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE			
(3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (4) Construction Start (5) (5) (6) (1) (2) (2) (3) (4) (5) (6) (6) (7) (7) (7) (7) (7) (7) (7) (7) (7) (7			YES
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(b) Where Design Was Most Recently Used -	TRAVIS
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 (4) Construction Start 66 FE 26 67 68 69 69 69 69 69 69 60 60 60 60	, ,		(\$000
(c) Total 64 (d) Contract 48 (e) In-house 16 (4) Construction Start 96 FE . Equipment associated with this project will be provided from	•		380
(d) Contract (e) In-house (4) Construction Start (4) Equipment associated with this project will be provided from			260
(e) In-house 16 (4) Construction Start 96 FE . Equipment associated with this project will be provided from	(0) Total	640
(4) Construction Start 96 FE . Equipment associated with this project will be provided from	(d	Contract	480
. Equipment associated with this project will be provided from	(e	In-house	160
		nust west on Start	96 FFF
cher appropriations. N/	(4) C	Justinetion Start	70 111
	. Equipmen	t associated with this project will be provided	
	. Equipmen	t associated with this project will be provided	
	. Equipmen	t associated with this project will be provided	
	. Equipmen	t associated with this project will be provided	

1. COMPONENT									. 2	. DATE
	F	7 1996 MILIT	ARY C	ONSTRU	JCTIO	N PR	OJECT	DATA	A	
AIR FORCE		(0	omput	er ger	nerat	ed)				
3. INSTALLATI	ON ANI	LOCATION			4.	PRO	JECT '	TITLE	2	
TRAVIS AIR FO	RCE B	ASE, CALIFOR	AIN	· · · · · · · · · · · · · · · · · · ·	DO	RMIT	ORIES			
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PF	ROJEC'	T NU	MBER	8. F	PROJECT	COST(\$000)
4.18.96		721-312		XI	DAT97	3022				10,500
		9	. cos:	r esti	MATE	S				
									UNIT	COST
		TTEM				Іп/м	יאבווס	ועידיו	നാവ	1 (\$000)

2. COST ESTIMAT	50			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORIES (142 PN)	Ì			6,148
DORMITORY	SF	25,200	120	(3,024)
DORMITORY	SF	25,200	120	(3,024)
AUTOMATIC SPRINKLER PROTECTION	SF	50,000	2	(100)
SUPPORTING FACILITIES				3,300
UTILITIES	LS			(900)
PAVEMENTS	LS			(700)
SITE IMPROVEMENTS	LS			(700)
DEMOLITION	SF	50,000	20	(1,000)
SUBTOTAL				9,448
CONTINGENCY (5%)				472
TOTAL CONTRACT COST				9,920
SUPERVISION, INSPECTION AND OVERHEAD (6%)				595
TOTAL REQUEST				10,515
TOTAL REQUEST (ROUNDED)				10,500
				l

10. Description of Proposed Construction: Reinforced concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundry, storage and lounge areas, fire protection, demolition, and other necessary support. Air Conditioning: 100 Tons. Grade Mix: 142 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Constructs two dormitories. (Current Mission)

REQUIREMENT: This is a Level I commander's facility assessment (CFA) project. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 142 personnel: 142 E1-E4, with a maximum utilization of 142 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient noise attenuation to adequately house enlisted personnel. Travis AFB has the worst dormitories in Air Mobility Command. Two substandard dormitories totalling 50,000 squarefeet will be demolished as a result of this project.

IMPACT IF NOT PROVIDED: Substandard living accommodations on base will continue to be a contributing factor to low morale, reduced productivity and dissatisfaction with Air Force life for unaccompanied enlisted personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new

89

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (COMPONENT CONSTRUCT CONSTRUCT CONSTRUCT DATA (COMPONENT CONSTRUCT CO	A 2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION TRAVIS AIR FORCE BASE, CALIFORNIA	
	5. PROJECT NUMBER
DORMITORIES	XDAT973022

uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction, demolishing existing dorms and sending enlisted personnel off base paying BAQ/VHA, revitalization and status quo operation. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.

FORCE		FY 1996 MILITARY CONSTRUCTION PROJECT DAT. (computer generated)	A	
		ON AND LOCATION	-	L
VIS AI	R FOI	RCE BASE, CALIFORNIA		
PROJEC'			5. PRO	DJECT NUMBE
WIMOD T	D.C.			•
MITORII	ES		XDA	AT973022
SUPP	LEMEN	NTAL DATA:		
. Est	imate	ed Design Data:		
(1)	Sta	atus:		
		Date Design Started		94 JUN 09
		Parametric Cost Estimates used to develop co	osts	2
		Percent Complete as of Jan 1995		409
		Date 35% Designed. Date Design Complete		94 SEP 30
	(=)	pace pestau combiaca		95 JUN 0:
(2)	Bas	sis:		
•		Standard or Definitive Design -		YES
	(b)	Where Design Was Most Recently Used -		TRAVIS
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a)	Production of Plans and Specifications		400
		All Other Design Costs		280
	(c)			680
		Contract		500
	(e)	In-house		180
		struction Start		
(4)	Con	istruction Start		96 MAI
(4)	Con	scruction Start		96 MAI
			d from	
Equipm	nent	associated with this project will be provided ations: N/A	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	96 MAF
Equipm	nent	associated with this project will be provided	d from	
Equipm	nent	associated with this project will be provided	d from	

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROGRAM AIR FORCE (computer generated)		2. DA	TE
AIR FORCE (computer generated)			
		4	
3. INSTALLATION AND LOCATION 4. COMMAND			EA CONS
VANDENBERG AIR FORCE BASE, AIR FORCE		l .	ST INDE
CALIFORNIA SPACE COMMAND		· •	. 36
	UPPORT		-
STRENGTH OFF ENL CIV OFF ENL CIV OF	F ENI	L CIV	
a. As of 30 SEP 94 624 2419 1242			4,28
b. End FY 2000 608 2219 1157	<u> </u>		3,98
7. INVENTORY DATA (\$000)			
a. Total Acreage: (98,830)			
b. Inventory Total As Of: (30 SEP 94)	1,	,118,38	
c. Authorization Not Yet In Inventory:		32,52	
d. Authorization Requested In This Program:		6,00	
e. Authorization Included In Following Program: (FY 1997)	1,01	,
f. Planned In Next Four Program Years:		27,20	
g. Remaining Deficiency:	65,47		
h. Grand Total:	1,	,250,59)4
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996			
0.112001.1	_		STATUS
CODE PROJECT TITLE SCOPE (\$0	00)	START	CMPL
130-142 FIRE STATION 8,500 SF 2,	000 J	JUN 94	FEB 95
141-766 SLFI - CHEMICAL TEST AND 14,600 SF 4,			
ANALYSIS LABORATORY			
	000		
9a. Future Projects: Included in the Following Program		997)	
171-476 COMBAT ARMS FACILITY 5,000 SF 1,	010		
	010		
9b. Future Projects: Typical Planned Next Four Years:			
171-621 TECHNICAL TRAINING CLASSROOM 125,000 SF 24,			
411-139 HAZARDOUS MATERIAL STORAGE 25,000 SF 1,	200		
FACILITY 833-354 REGIONAL COMPOSTING FACILITY LS 2,	000		
10. Mission or Major Functions: Headquarters Fourteenth		Force;	a
space wing with UH-1 aircraft; an Air Force Materiel Comm			
the Space and Missile Systems Center; and an Air Educatio			
Command space and missile training group.			_
11. Outstanding pollution and safety (OSH) deficiencies:			
a. Air pollution:		C)
b. Water pollution:		7,000)
c. Occupational safety and health:		·	
d. Other Environmental:		5,000)

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT D	2. DATE
AIR FORCE (computer generated)	1
3. INSTALLATION AND LOCATION 4. PROJECT TI	TLE
VANDENBERG AIR FORCE BASE, CALIFORNIA FIRE STATION	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8	. PROJECT COST(\$000)

3.59.96 130-142 XUMU884004 2,000

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
FIRE STATION	SF	8,500	135	1,148
SUPPORTING FACILITIES				650
UTILITIES	LS			(190)
PAVEMENTS	SY	18,000	17	(305)
SITE IMPROVEMENTS	LS			(50)
BUILDING DEMOLITION	SF	6,200	13	(80)
PAVEMENT DEMOLITION	SY	8,000	3	(25)
SUBTOTAL	1			1,798
CONTINGENCY (5%)	1			90
TOTAL CONTRACT COST	1 1			1,888
SUPERVISION, INSPECTION AND OVERHEAD (6%)	1 1		i	113
TOTAL REQUEST	-			2,001
TOTAL REQUEST (ROUNDED)				2,000
				,
				į
		1		

10. Description of Proposed Construction: Builds one new station and demolishes two old stations. Construction includes a reinforced concrete foundation and floor slab; split face block walls; pitched, standing seam metal roof and fascia. Project provides vehicle stalls, living quarters, and an uninterruptible power system. Project includes all utilities, site improvements, and pavements.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 8,500 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a fire station. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. An adequate, centrally located fire station is required to provide fire protection capabilities to south Vandenberg AFB. The station must be manned 24 hours a day, 7 days a week with overnight accommodations provided for firefighting personnel assigned to 24-hour shifts. Response time to the Atlas and Titan space launch complexes must be 4.5 minutes or less, per DODI 6055.6 and AFR 92-1, Ch 4, para 4-2 (1).

CURRENT SITUATION: Two substandard, poorly located fire stations currently exist. Consolidation of these two functions is required at a site which is central to the launch complexes. One existing station is a WW II woodframe structure. Door clearance limits the size of fire vehicles which can be sheltered. The electrical system does not meet current code, and the facility is energy inefficient and costly to maintain. Response time to the space launch complexes is over 13 minutes. This does not meet current DoD and Air Force criteria. The other station is a 25 year old metal building which is badly corroded due to the damp salt air environment; it is not repairable. Roof structural members are unsafe for maintenance people to walk on. It is inadequate in size and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
AIR FORCE	(computer generated)		
	N AND LOCATION FORCE BASE, CALIFORNIA		
4. PROJECT TIT		5. PRO	DJECT NUMBER
FIRE STATION		MUX	1U884004

configuration for 24 hour operations. Open bay sleeping quarters do not provide privacy for the male and female firefighters. Fire vehicles must be parked outdoors due to narrow door clearance, and are thus subject to rapid deterioration in the salt air. Scope and value of protected equipment and facilities: launch complexes and facilities on south Vandenberg AFB - \$300 million; cost of a Titan 4 missile including launch services - in excess of \$400 million; payload values per launch - in excess of \$1.5 billion. South Vandenberg AFB contains 35,070 acres, requiring wild land fire fighting capability. Demolition of the two existing substandard facilities (6,158 SF) is included in this project. IMPACT IF NOT PROVIDED: Unacceptable response time will continue to put valuable Air Force Space Command assets at considerable risk. The protracted use of substandard, deteriorated facilities will result in inefficient operations, higher maintenance costs, and unresponsive fire protection services. Fire protection personnel will continue to work in substandard, inefficient, and overcrowded facilities which will adversely impact their ability to provide fire protection to south Vandenberg AFB. The impact of deferred satellite coverage on its primary mission, due to launch delay, is incalculable in terms of national importance. Fire at a launch complex will have a 9 minute headstart. ADDITIONAL: Criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" are satisfied. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	
IR FORCE	(computer generated)	
. INSTALLAT	ON AND LOCATION	
	R FORCE BASE, CALIFORNIA	
. PROJECT T	TLE	5. PROJECT NUMBER
IRE STATION		XUMU884004
2. SUPPLEM	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	·	
	Date Design Started	94 JUN 0
(b)		osts
	Percent Complete as of Jan 1995	359
	Date 35% Designed.	94 OCT 0
(e)	Date Design Complete	95 FEB 2
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	
	Production of Plans and Specifications	(\$000
	All Other Design Costs	120
, ,	Total	80
• •	Contract	200
· ·	In-house	200
(-)		200
(4) Co	nstruction Start	96 API
Equipment	pagagiated with this sendent 133 1	
	associated with this project will be provide	a from
her appropr	iations: N/A	

Page No

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTR	RUCTION PROJECT DATA	
AIR FORCE	(computer ge	enerated)	
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE	
		SLFI - CHEMICAL TEST	AND
VANDENBERG AIR	FORCE BASE, CALIFORNIA	ANALYSIS LABORATORY	
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. F	PROJECT NUMBER 8. PROJE	CT COST(\$000)

3.51.81 141-766 XUMU934002 4,000 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY SF 14,600 2,997 LIQUID FUEL ANALYSIS TECH LAB SF 14,000 210 (2,940)HAZARDOUS MATERIAL STORAGE SF 600 95 57) SUPPORTING FACILITIES 605 COMMUNICATIONS SUPPORT LS 140) WATER, SEWER, GAS LS 85) DEMOLITION SF 5,900 36 210) SITE IMPROVEMENTS LS 75) **PAVEMENTS** SY 2,400 40 95) SUBTOTAL 3,602 CONTINGENCY (5%) 180 TOTAL CONTRACT COST 3,782 SUPERVISION, INSPECTION AND OVERHEAD (6%) 227 TOTAL REQUEST 4,009 TOTAL REQUEST (ROUNDED) 4,000

10. Description of Proposed Construction: Concrete block walls, concrete foundation and slab, built up roof. Special heating, ventilating and air conditioning with controls. Rooms for propellant and oxidizer storage, overhead doors for material delivery, computer room, special shielding for x-ray room. Utilities and site work as required. Demolish three existing buildings (which contain asbestos and lead-based paint). Air Conditioning: 80 Tons.

11. REQUIREMENT: 14,600 SF ADEQUATE: 0 SUBSTANDARD: 5,877 SF

PROJECT: Construct a chemical test and analysis laboratory. (Current Mission)

EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This is also a Space Launch Facilities Infrastructure (SLFI) requirement. This project will provide critical launch operations support for Atlas, Titan, Delta, Scout, Taurus, and Pegasus space launch systems, and the Peacekeeper ICBM system. The tests and analyses performed in this facility ascertain the quality of gases, lubricants, hydraulic fluids, cryogenics, and aerospace propellants; identify contaminants that could cause malfunctions or failures in rockets, payloads, and ground support systems; and monitor post launch environmental conditions.

CURRENT SITUATION: The existing facility has uncorrectable safety deficiencies. It does not meet California seismic codes and cannot be made to meet them economically. Structural deficiencies are causing severe operational problems due to vibration of sensitive measurement equipment. Results are sometimes inconsistent and tests must be rerun. Because of a lack of laboratory space, the number of chemical fume hoods in the facility is insufficient to fully support oxidizer and hydrazine analysis requirements. Delays to Titan launch operations have occurred

(419)

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. D	ATE
AIR FORCE	(computer generated)		
3. INSTALLAT	ION AND LOCATION		
VANDENBERG A	IR FORCE BASE, CALIFORNIA		
4. PROJECT T		OJECT	NUMBER
	·		

SLFI - CHEMICAL TEST AND ANALYSIS LABORATORY

because the location of the exhausts (only 15 feet from fresh air intakes) for the toxic chemical fumehoods does not permit chemists to conduct propellant tests unless a five knot wind is present. The existing facility has become dangerously overcrowded with instrumentation and equipment needed to support new environmental and waste testing programs and other launch-related requirements. Base safety inspection reports routinely list numerous space deficiencies; offices and labs must share the same space. Additional space is not available either in or around the existing facility. Due to lack of space, approximately 4,750 environmental tests must be performed each year by private contractors. Many of these tests are very expensive. For example, the "EPA toxicity metals test" costs about \$700 per test to contract out, whereas this test would cost only about \$200 if done in the local lab. Approximately 190 of these tests are done each year; consequently, this type of test alone costs about \$95,000 per year to contract out. Electrical wiring does not meet National Electrical Code requirements. Three buildings (5,877 square feet in area) will be demolished as a result of this project. IMPACT IF NOT PROVIDED: Existing safety deficiencies and the shortage of adequate laboratory space will continue to jeopardize the availability, quality, and reliability of critical, mission-essential support of spacelift and ICBM operations. The success of these missions could be adversely affected by a failure to identify contaminants in a propellant. These deficiencies are also preventing the timely development of hazardous waste testing capabilities required to comply with federal and state regulations regarding the transportation and disposition of hazardous The tests described above will have to continue to be materials. contracted out.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide", or in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

XUMU934002

1. COMPONE		ITARY CONSTRUCTION		2. DATE
AIR FORCE	 ATION AND LOCATION	(computer generate	ed)	
	IND BOOMITON	•		
VANDENBERG	AIR FORCE BASE, C	ALIFORNIA	•	
4. PROJECT	TITLE		5	. PROJECT NUMBER
SLFI - CHE	MICAL TEST AND ANA	LYSIS LABORATORY		XUMU934002
12. SUPPL	EMENTAL DATA:			
a. Esti	mated Design Data:			
(1)	Status:			
	(a) Date Design S			93 JUL 22
	(b) Parametric Co			
	<pre>(c) Percent Comple (d) Date 35% Design</pre>		•	100%
	(α) Date 35% Design Co	-		93 OCT 07
	(e) Date Design Co	ombiece		94 AUG 30
(2)	Basis:			
	(a) Standard or De	efinitive Design -		NO
((b) Where Design W	Was Most Recently N	Used -	N/A
(3)	Total Cost (c) =	(a) + (b) or (d) +	(e):	(\$000)
		Plans and Specific		240
	b) All Other Desi	ign Costs		197
(c) Total			437
•	d) Contract			357
(e) In-house			80
(4)	Construction Start	:		96 MAR
. Equipme ther appro	nt associated with priations:	this project will	l be provided	from
			FISCAL YEA	R
	QUIPMENT	PROCURING	APPROPRIATE	D COST
		ADDDODTAGE	OR REQUESTE	
	MENCLATURE	APPROPRIATION		D (\$000)
NO	MENCLATURE ECTRON MICROSCOPE	APPROPRIATION 3080	_	, ,
NO. CANNING EL:			1995	300
NO. CANNING EL:	ECTRON MICROSCOPE OGRAPH SYSTEM	3080	1995 1995	300 105
NO CANNING EL AS CHROMATO ROTARY ES	ECTRON MICROSCOPE OGRAPH SYSTEM	3080 3080	1995	300 105 3
NO CANNING EL AS CHROMAT ROTARY ES ZERO HEAD	ECTRON MICROSCOPE OGRAPH SYSTEM IIMATOR	3080 3080 3080	1995 1995 1995	300 105

1. COMPONENT	1996 477 777	NDV CC	NOME:	2012	DD00.		2	. DA	re
AIR FORCE	1996 MILITA	ARY CO			PKOGI	KAM			
3. INSTALLATION AND L		JuleI (DMMAND			- 5	. ADI	EA CONS
CLASSIFIED LOCATIONS				NAMED			ا		ST INDE
OUTSIDE THE UNITED STATES)						- 1		.00	
6. PERSONNEL	PERMANE	ENT	Si	CUDENT	5	SUP	PORTE		
STRENGTH	OFF ENL	CIV	OFF				ENL		TOTAL
a. As of 30 SEP 94								1	101711
b. End FY 2000									
	7. INVE	ENTORY	DATA	(\$000))	-	- '''		
a. Total Acreage: (0)								
b. Inventory Total As	Of: (30 SE	EP 94)							0
c. Authorization Not	Yet In Inven	tory:							0
d. Authorization Requ								17,80	0
e. Authorization Incl	ided In Foll	owing.	Progr	am:	FY 1	.997)		19,52	6
f. Planned In Next For	-	ears:							0
g. Remaining Deficiend	cy:								Ō
h. Grand Total:				î					0
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	.996		•			
CATEGORY						COST			STATUS
CODE PROJI	ECT TITLE		<u>s</u>	COPE		(\$000)	<u>s'</u>	TART	CMPL
100-000 (00001)1 (0000									
100-000 SPECIAL TACT					LS	700)		
DETACHMENT 1 214-425 VEHICLE MAIN		TTMV	-	3 000	C E	1 (0)			****
214-425 VEHICLE MAIN. 442-758 WAR READINES:		LITI		3,000					
WAREHOUSES	MATERIAL		30	0,000	21	15,500	AP	K 94	JUN 9
WAREHOUSES				TOTAL:	_	17,800	5		
9a. Future Projects:	Included i	n the						7 \	
100-000 SPECIAL TACT					LS	4,226		٠,	
DETACHMENT I	FACILITY						_		
422-264 MUNITIONS STO	RAGE IGLOOS		5	4,500	SF	7,000)		
442-758 WAR READINESS	MATERIAL		1	5,000	SF	2,300)		
WAREHOUSE									
442-758 WAR READINESS	MATERIAL		10	0,000	SF	6,000)		
WAREHOUSES					_		_		
				TOTAL:		19,526	5		
b. Future Projects:									
ll. Outstanding pollu	tion and sa	fety (OSH)	defici	.enci	es:			
a. Air pollution								0	
b. Water polluti								0	
c. Occupational	-	nealth	1:					0	
d. Other Enviror	mental:							С)

1. COMPONENT									2.	DAT	Έ
	FY	1996 MILIT	ARY CO	NSTRU	CTION	PROGI	RAM				
AIR FORCE		(com	puter	gener	ated)						****
3. INSTALLATION	ON AND LO	CATION		4. C	DNAMMC				5.	ARE	A CON
BUCKLEY AIR N	ATIONAL C	GUARD BASE,								cos	T IND
COLORADO				AIR I	MOITAN	AL G	JARD			1.	03
6. PERSONNEL		PERMAN	ENT	S'	TUDENT	S	SUI	PPORT	red	ightharpoonup	
STRENGTH		OFF ENL	CIV	OFF	ENL	CIV	OFF	ENI	<u>. C</u>	IV	TOTA
a. As of 30 Si	EP 94	91 617	607						İ		1,3
b. End FY 2000	0	89 611									1,2
		7. INV	ENTORY	DATA	(\$000)					
a. Total Acres	•										
b. Inventory										,04	
c. Authorizat:										, 55	
d. Authorizat:										,50	
e. Authorizat:	ion Inclu	ded In Fol:	lowing	Progr	cam:	(FY 1	1997)		3	,50	0,
f. Planned In	Next Fou	ır Program !	Years:		2						0
g. Remaining I	Deficienc	:y:								,00	
h. Grand Tota									196	, 59	2
8. PROJECTS RE	EQUESTED	IN THIS PRO	OGRAM:	FY I	1996						
CATEGORY							COST	_	ESI	GN	STATUS
CODE	PROJE	CT TITLE		5	COPE		(\$000	<u>))</u>	STA	RT	CMPI
								_			
721-312 TROOF	SUPPORT	' FACILITIES	S		150	_	5,50	_	UL S	94	AUG 9
					TOTAL		5,50				
9a. Future Pr	_								197)		
		ND EQUIPMEN	N.T.	4	10,000	SF	3,50	10			
WAR	EHOUSE				momat.	_	3,50	-			
Ob District De		marrian D	10000	Mont	TOTAL			<u> </u>			
9b. Future Pr	rojects:	Typical P. Functions:	Colo	next	FOUL 1	ion) Cua	~d 1	io a de	~,, 2	rters
10. Mission of with T-43s and											
National Guard										AT.	L
		tion and sa						aurc	/11+		
11. Outstandi	ing portu	cion and sa	arecy	(OSh)	uerre.	renci	.65.				
	001144400	•								0	
	pollution polluti									0	
	-	on: safety and	heal+1	· •						0	
-	etional Environ	_	nearti	1.						0	
d. Other	Environ	mental:								J	

1. COMPONENT			2. DATE
	FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA	
AIR FORCE	(compute:	r generated)	
3. INSTALLATION	ON AND LOCATION	4. PROJECT TITLE	
BUCKLEY AIR N	ATIONAL GUARD BASE,		
COLORADO		TROOP SUPPORT FACE	LITIES
5. PROGRAM ET.	EMENT 6 CATEGORY CODE	7. PROJECT NUMBER 8 PRO	TECT COST(SOCO)

3.41.11 721-312 CRWU961460 5,500

9. COST ESTIMATE	s			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
TROOP SUPPORT FACILITIES	SF	42,200		4,073
DORMITORY (150 PN)	SF	30,000	94	(2,820)
ADD TO DINING FACILITY	SF	2,500	140	(350)
FITNESS CENTER	SF	4,700	90	(423)
ADMINISTRATIVE SUPPORT FACILITY	SF	5,000	96	(480)
SUPPORTING FACILITIES				895
UTILITIES	LS	ę –		(300)
PAVEMENTS	LS			(125)
SITE IMPROVEMENTS	LS			(100)
DEMOLITION/ASBESTOS REMOVAL	SF	37,000	10	(370)
SUBTOTAL				4,968
CONTINGENCY (5%)				248
TOTAL CONTRACT COST				5,216
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>313</u>
TOTAL REQUEST				5,529
TOTAL REQUEST (ROUNDED)	:			5,500

10. Description of Proposed Construction: Concrete foundation, floor slab, masonry walls, structural frame and built-up roof. Includes room-bath-room modules, laundries, storage, lounge, administrative space, and fitness center. Provide addition to dining facility and demolish two condemned buildings, including asbestos removal at the site of new construction, and provide necessary support.

Air Conditioning: 40 Tons. Grade Mix: 150 E1-E4.

11. REQUIREMENT: 150 PN ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct troop support facilities. (New Mission)

REQUIREMENT: Adequate on-base quarters are required for unaccompanied enlisted personnel who will be assigned to the new Aerospace Data Facility (ADF) mission. This requirement supports the Air Force objective to provide personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Fitness and dining facilities are also needed to accommodate these additional personnel. The mission requirements of the ADF require quick personnel response which can only be provided by housing personnel on base. Also, administrative space is required for the Denver personnel support activities. This twenty-seven person office provides personnel support for the active duty members assigned to the Denver area.

CURRENT SITUATION: This Air National Guard base has no dormitories. The ADF personnel are currently housed at Lowry Air Force Base, which is scheduled for closure in September 1994. Also additional enlisted personnel will be assigned to this base in support of new and expanded

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ION AND LOCATION	
BUCKLEY AIR N	NATIONAL GUARD BASE, COLORADO	
4. PROJECT TI	ITLE 5. P	ROJECT NUMBER
TROOP SUPPORT	FACILITIES	RWU961460

missions associated with the ADF. The existing dining hall and fitness center are inadequate to support the addition manpower. Two buildings totalling 37,000 SF will be demolished.

IMPACT IF NOT PROVIDED: Adequate living quarters, dining, fitness, and administrative facilities will be unavailable for Aerospace Data Facility personnel, resulting in degradation of ADF's unique mission as well as the morale and productivity of assigned personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing, and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most economical and efficient over the life of the project. This is a companion to BRAC project CRWU953050, Dormitory, which provides living quarters for 150 additional enlisted personnel currently housed at Lowry AFB, which is scheduled for closure. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA
IR FORCE (computer generated)	
. INSTALLATION AND LOCATION	
UCKLEY AIR NATIONAL GUARD BASE, COLORADO	
. PROJECT TITLE	5. PROJECT NUMBI
ROOP SUPPORT FACILITIES	CRWU961460
ROOP SUPPORT FACILITIES	CRW0901460
2. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
,	
(1) Status:	
(a) Date Design Started	94 JUL (
(b) Parametric Cost Estimates used to develop	costs
(c) Percent Complete as of Jan 1995	35
(d) Date 35% Designed.	94 NOV 3
(e) Date Design Complete	95 AUG 2
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$00
(a) Production of Plans and Specifications	32
(b) All Other Design Costs	17
(c) Total	49
(d) Contract	
(e) In-house	49
(4) Construction Start	96 FE

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	1006 277 777							2. DAT	CE.	
AIR FORCE	1996 MILITA				PROGI	RAM				
3. INSTALLATION AND L		puter o						F ADE	an conce	
J. INSTALLATION AND L	CONTION		AIR E	MMAND					EA CONST	
PETERSON AIR FORCE BA	SE COLODAD	_			א אור				T INDEX	
6. PERSONNEL	·			COMM		GUD		1.06		
STRENGTH	OFF ENL	CIV	OFF	UDENT:	CIV		PORT	_		
- · · · · · · · · · · · · · · · · · · ·	1211 1982		OFF	FNT	CIV	OFF 355	ENL	7 537	TOTAL	
b. End FY 2000	1181 1958					355		7 537	6,189	
D: ENG F1 2000	7. INV		משמת	18000		355	45	/ [53/]	6,006	
a. Total Acreage: (SNIORI	DAIA	13000	<u> </u>					
b. Inventory Total As	•	1 N D G T						304 45		
c. Authorization Not		•						184,45		
d. Authorization Requi		-						24,53		
e. Authorization Incl					/ TO 12 - 1	0071		4,39		
f. Planned In Next For			Progr	am:	(FI 1	.997)			0	
g. Remaining Deficient	•	rears:						19,40		
h. Grand Total:	cy:							32,26		
8. PROJECTS REQUESTED	TN THIS DD	CPAM.	EV 1	996				265,04	U	
CATEGORY	IN IIIIS PAC	JGKAII.	. F1 1	. 5 5 0		COST	D	ECTON	CMARILO	
	ECT TITLE		9	COPE		(\$000	_	START	STATUS	
<u> </u>	BET TITE		=	COFE		13000	L	SIAKI	CMPL	
130-142 FIRE STATION				5,400	S F	1,39	∩ w	AY 94	אחם מב	
721-312 ADD TO AND A	נידבה ההפאודים	אפע		•		3,00		CT 92		
	BIBN DOMITIC).(\1		TOTAL:	-	4,39	_	C1 92	SEP 94	
9a. Future Projects:	Included i	n the						97\ NO	NIE:	
9b. Future Projects:							1 19	37) NO	NE	
442-758 BASE SUPPLIES				9,000			n			
721-312 ADD TO AND A			J		PN					
721-312 DORMITORY				422		11,80				
10. Mission or Major	Functions:	Heado	uarte					ace		
Command; Headquarters	Air Force S	Space C	Comman	d: Hea	adqua	rters	Nor	th Ame	rican	
Air Defense Command; S	Space and Wa	rning	Syste	ms Cer	iter:	a sp	ace	wina w	ith	
C-21 aircraft; the Air	r Force Mate	riel C	comman	d Spac	ce Sv	stems	Sup	port G	roup:	
and an Air Force Reser	rve airlift	wing w	ith o	ne C-1	130 s	guadr	on.		<u>-</u> -	
ll. Outstanding pollu										
		- '	•							
a. Air pollution	n:							0		
b. Water polluti	ion:							0		
c. Occupational		health	:					0		
d. Other Environ								0		
								·		
•										

1. COMPONENT									2	. DATE	
	FY	1996	MILIT	ARY C	ONSTR	UCTIO	N PROJEC	r DA	ra		
AIR FORCE			(0	ompute	er ge	nerat	:ed)				
3. INSTALLATI	3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
PETERSON AIR	FORCE	BASE,	COLOR	ADO		FI	RE STATIO	ON			
5. PROGRAM EL	EMENT	6. CAT	EGORY	CODE	7. P	ROJEC	T NUMBER	8.	PROJECT	COST (\$000))
	ľ									·	Ť
3.59.96		13	0-142		T	DKA93	3008			1,390	

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE STATION	SF	5,400	120	648
SUPPORTING FACILITIES				600
UTILITIES	LS		·	(70)
SITE IMPROVEMENTS	LS			(45)
PAVEMENTS	SY	11,500	42	(485)
SUBTOTAL			-	1,248
CONTINGENCY (5%)		٠		62
TOTAL CONTRACT COST				1,310
SUPERVISION, INSPECTION AND OVERHEAD (6%)				79
TOTAL REQUEST	-			1,389
TOTAL REQUEST (ROUNDED)		•	1	1,390
_ , ,		1		-,,,,,,
		i		
		ŀ		
		İ	Ì	
		ļ		
		l		
	!!		i i	

10. Description of Proposed Construction: Construct a fire station with 2 vehicle bays, male/female sleeping rooms, latrines and showers, kitchen/dining, recreation, and office/training areas. Project includes site work, access road, parking areas, and connection to base alarm and energy monitoring systems.

Air Conditioning: 5 Tons.

11. REQUIREMENT: 5,400 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a fire station. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project will support aircraft crash rescue requirements for a newly constructed USAF/Commercial runway and provide structural fire response for high value Air Force assets on Peterson East. Department of Defense Instruction 6055.6 requires a 3-minute response time to the farthest end of the runway and a 4.5-minute response and 2-mile maximum distance for structures. The existing base fire station cannot meet these response and distance requirements.

CURRENT SITUATION: Peterson AFB and the Colorado Springs Airport operate under a mutual support agreement for crash rescue and airfield maintenance: Peterson provides crash rescue and structural fire support for the Airport, and the City maintains the runways and provides airfield management. Under this agreement, Peterson does not pay a user fee for military flights. The existing fire station is located too far from the new North runway to provide adequate crash rescue protection; test runs show that the crash response time is over the maximum time allowable by 30 seconds which is enough time to lose the crew and passengers in an aircraft accident. In addition, structural response routes for fires on Peterson East exceed the 2-mile DoD distance standard. The situation

	1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION (computer generate		
		ON AND LOCATION ORCE BASE, COLORADO		
	4. PROJECT TIT	LE	5. PROJECT NUMB	ER
ı	FIRE STATION		TDKA933008	

cannot be corrected by relocating the existing fire station because there is no single site which will meet the required response times for all runways and structures on Peterson AFB. The Fire Department is currently operating on a temporary waiver for crash response time for the new runway. This waiver is contingent upon the provision of a new fire station via the FY96 MILCON program.

IMPACT IF NOT PROVIDED: DoD standards for fire response will not be met. Aircraft passengers and crew plus \$500 million of existing and projected Air Force facilities and equipment will be at risk, as well as the lives and safety of USAF personnel working in the Peterson East area. The SAF/MII waiver for violating response criteria would have to be extended indefinitely. The operating agreement with the City of Colorado Springs would be placed in jeopardy. If the agreement is cancelled, the City could require payment of landing fees to support fire protection costs. Fees could total more than \$4 million per year.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". All known alternative options were considered during the development of this proposed project, and it was determined that this option was the optimum solution.

1. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DA	
AIR FORCE		(computer generated)	
3. INSTAL	LATIO	ON AND LOCATION	
PETERSON A	AIR I	FORCE BASE, COLORADO	
4. PROJEC	T TIT	TLE	5. PROJECT NUMBER
FIRE STAT	ION		TDKA933008
12. SUPP	LEME	NTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	atus:	
		Date Design Started	94 MAY 05
	(b)	Parametric Cost Estimates used to develop	costs Y
	(c)	Percent Complete as of Jan 1995	65%
		Date 35% Designed.	94 JUL 21
		Date Design Complete	95 APR 14
(2)	Bas	sis:	
• •		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
		Production of Plans and Specifications	75
		All Other Design Costs	124
		Total	199
	(d)	Contract	132
	(e)	In-house	67
(4)	Con	struction Start	96 APR
Fauin	·on+	accordated with this project will be provide	od from
ther appr		associated with this project will be provide ations: N/A	ed IIOm

1. COMPONENT			2. DATE			
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA			
AIR FORCE	(compute	er generated)				
3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
PETERSON AIR FORCE	BASE, COLORADO	ADD TO AND A	ALTER DORMITORY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
3.59.96	721-312	TDKA923001	3,000			

9. COST ESTIMATES

		ļ	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER DORMITORY (67 PN)	SF	29,650		2,034
ALTERATION	SF	26,300	59	(1,552)
ADDITION (BALCONIES)	SF	3,350	89	(298)
AUTOMATIC SPRINKLER PROTECTION	SF	26,300	7	(184)
SUPPORTING FACILITIES				535
UTILITIES	LS			(105)
SITE IMPROVEMENTS	LS			(210)
PAVEMENTS	SY	2,400	17	(40)
ASBESTOS REMOVAL	LS			(180)
SUBTOTAL	İ		İ	2,569
CONTINGENCY (10%)				257
TOTAL CONTRACT COST				2,826
SUPERVISION, INSPECTION AND OVERHEAD (6%)				170
TOTAL REQUEST				2,996
TOTAL REQUEST (ROUNDED)				3,000
		1		

10. Description of Proposed Construction: Demolish existing partitions. Renovation to include provision of new room-bath-room configuration, new finishes, fixtures, plumbing, HVAC, and electrical systems. Conversion from interior to exterior room entrances with balconies added. Each floor will include a laundry room, dayroom, and storage areas. Asbestos removal required for mechanical components and floor tile.

Air Conditioning: 40 Tons. Grade Mix: 67 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Add to and alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. This project will provide a properly-sized living area for each resident with semi-private latrines, lounge area and laundry on each floor, and storage within the facility. Estimated intended utilization is 67 personnel: 67 E1-E4, with an intended utilization of 67 personnel.

CURRENT SITUATION: The existing facility was built in the 1960's using brick/masonry construction. The three-story building has double occupancy rooms with a central latrine on each floor. This arrangement does not meet DoD living standards. Dormitory rooms have exposed masonry walls, high ceilings, inadequate lighting, obsolete electrical and mechanical systems, and inadequate insulation, all of which detract from the residents' privacy and comfort. The building is a maintenance and operational burden due to aging electrical, plumbing and HVAC systems; and it does not conform to national building codes. The sanitary sewer backs up into the basement, and the electrical feeder and transformer capacities

	1. COMPONENT FY 1996 MILI	TARY CONSTRUCTION PROJECT DATA	2. DATE
	1 22.0	computer generated)	
	3. INSTALLATION AND LOCATION		:
	PETERSON AIR FORCE BASE, COLO	PRADO	
-	4. PROJECT TITLE		PROJECT NUMBER
	ADD TO AND ALTER DORMITORY		TDKA923001

are too small to meet today's standards and requirements.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and continue to have a negative impact on morale, productivity and career satisfaction for the enlisted force. The building will need increased maintenance and will continue to fail to meet DoD standards and national building code requirements.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A life-cycle economic analysis was performed comparing all reasonable options for accomplishing this project. Based on net present values and benefits of the respective alternatives, renovation was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HDBK-1008B, "Fire Protection for Facilities". Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD-approved unit cost factor for dormitories.

1. COMPONE	TV		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATE	ΓΑ	
AIR FORCE	(computer generated)		<u> </u>
3. INSTALL	ATION AND LOCATION		
PETERSON A	IR FORCE BASE, COLORADO		
4. PROJECT		5. PR	OJECT NUMBER
ADD TO AND	ALTER DORMITORY	TDI	KA923001
l2. SUPPL	EMENTAL DATA:		
a. Esti	mated Design Data:		
u. 2501	naced besign baca.		
(1)	Status:		
	(a) Date Design Started		92 OCT 28
	(b) Parametric Cost Estimates used to develop of	costs	Y
	(c) Percent Complete as of Jan 1995		100%
	(d) Date 35% Designed.		93 JAN 28
	(e) Date Design Complete		94 SEP 16
(2)	Basis:		
	(a) Standard or Definitive Design -		YES
	(b) Where Design Was Most Recently Used -		PETERSON
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a) Production of Plans and Specifications		158
	(b) All Other Design Costs		216
	(c) Total		374
	d) Contract		193
	e) In-house		181
7/45	Construction Start		
(4)	Construction Start		96 MAR
. Equipme	ant accognated with this project will be seen that		
	ent associated with this project will be provide opriations: N/A	u iron	n
	F		

1. COMPONENT		······································	20					2	. DA	re	
		96 MILIT				PROGI	RAM				
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. COMMAND 5. AREA							EA CO	Mem			
					D STA]		ST IN	- 1
UNITED STATES	S AIR FORCE	ACADEMI,					EMY	Ì		.06	DEA
COLORADO		DEDWAN	ENT		UDENT			ORTE		. 00 	
6. PERSONNEL	+-	PERMAN				CIV			CIV	TOT	Α.
STRENGTH	4	OFF ENL 086 1194	CIV			·	19	28			369
a. As of 30 s		98 1033	1	: :			19	28	1	1	250
b. End FY 200	00 9		ENTORY				191	20	02	0,	230
a. Total Acre	Page: (5	54,147)	BRIORI	Dilli	(\$000						
b. Inventory			EP 94)					3	59,18	34	
c. Authorizat									49,33		
d. Authorizat				gram:					12,87	74	ļ
e. Authorizat					am:	(FY]	1997)	:	10,47	70	İ
f. Planned In					ŧ		-		33,55	50	İ
g. Remaining								;	36,49	90	- 1
h. Grand Tota	-							50	01,89	8	
8. PROJECTS I		THIS PR	OGRAM:	FY 1	996						
CATEGORY	_						COST	DES	SIGN	STATE	JS
CODE	PROJECT	TITLE		s	COPE		(\$000)	s	TART	CMI	PL
				_				_			_
211-111 SAII	LPLANE HANGA	ıR		4	0,000	SF	3,724	DUA	3 94	JUN	95
740-884 CHII	D DEVELOPME	NT CENTE	R	2	3,700	SF	4,200	JAI	v 94	JAN	95
821-117 UPGF					2,350	MB	4,950	JUI	93	SEP	94
i	STEM										1
					TOTAL		12,874				
9a. Future F	rojects: I	ncluded	in the	Follo	wing 1	Progr	am (FY	1997	7)		l
171-853 UPGF	RADE ACADEMI	C FACILI	TY	11	5,000	SF _	10,470				
					TOTAL		10,470				
	Projects: T			Next	Four !						l
	AIR USAF ACA AINING	DEMY ACA	DEMIC			LS	11,000				
171-853 UPGF	RADE ACADEMI ASE II	C FACILI	TY,	10	9,650	SF	11,000				
610-284 RENC	OVATE MAJOR	COMMAND		6	0,000	SF	4,300				
724-433 ADD		R PREP S	CHOOL	4	5,543	SF	3,450				
740-681 ADD		R CADET	SOCIAL		5,000	SF	2,500				
	or Major Fu	nctions:	Respo	nsibl	e for	prov	riding	educa	ation	and	
training for	cadets to b	ecome Ai:	r Force	offi	cers a	and i	nclude	sa:	r-41,	/ T- 3	ł
flying traini											
	ling polluti					ienci	es:				
a. Air	pollution:								()	
	er pollution	:)	
	pational sa		health	1:)	
	r Environme	_	1104101)	
d. Othe	. Livitoime										
											1

1. COMPONENT			2. DATE
	FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA	
AIR FORCE	(compute	r generated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
UNITED STATES	AIR FORCE ACADEMY,		
COLORADO		SAILPLANE HANGAR	
E DECCEAN ET	EMENT 6 CATECORY CODE	7 DECITECT NUMBER & DECITE	TT COST/SOOO

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
8.58.96 211-111 XQPZ930030 3,724

9. COST ESTIMATES								
			UNIT	COST				
ITEM	ַע/ש	QUANTITY	COST	(\$000)				
SAILPLANE HANGAR	SF	40,000	79	3,160				
SUPPORTING FACILITIES				180				
UTILITIES	LS			(50)				
PAVEMENTS	LS			(65)				
SITE IMPROVEMENTS	LS		`:	(50)				
DEMOLITION	SF	7,200	2	(<u>15</u>)				
SUBTOTAL		•		3,340				
CONTINGENCY (5%)	1			<u> 167</u>				
TOTAL CONTRACT COST	ŀ			3,507				
SUPERVISION, INSPECTION AND OVERHEAD (6%)	ŀ		;	210				
TOTAL REQUEST		٠		3,717				
TOTAL REQUEST (ROUNDED)				3,724				
		}		l				
			·					
	1							
	ı	1		i l				

- 10. Description of Proposed Construction: Reinforced concrete footings, foundation and floor slab, pre-cast concrete walls, insulated walls and roof, fire protection system, utilities and necessary support. Open area for storage and maintenance of sailplanes. Provide extension of existing aircraft access pavement. Demolish one temporary hangar (7200 SF).
- 11. REQUIREMENT: 40,000 SF ADEQUATE: 0 SUBSTANDARD: 7,200 SF PROJECT: Construct a sailplane hangar. (Current Mission)

 REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A hangar is required to protect sailplanes and motorgliders from adverse weather conditions. Participation in the Academy soaring program is a graduation requirement. The program provides cadets with knowledge in airmanship, situational awareness, cross-country procedures, and training in high altitude procedures.

CURRENT SITUATION: The Academy currently possesses 18 sailplanes and 9 motorgliders. Eight additional sailplanes and two motorgliders are being procured. Presently aircraft are either crammed into existing facilities or must be disassembled each day and stored in trailers. The lack of adequate hangar space will be compounded with the arrival of additional sailplanes and motorgliders. Further, most sailplanes and motorgliders will be displaced from their present hangar space by seven T-41 and three C-150 aircraft which are being displaced by the new Enhanced Flight Screener (EFS) T-3A aircraft in the fall of 1994. Continued disassembly and reassembly of aircraft is a time consuming process which seriously hinders flight training. Disassembly and reassembly of aircraft also introduces safety risks which could lead to catastrophic consequences. Also, these aircraft are made from fragile composite materials which are extremely sensitive to damage from sunlight, high winds, water, and hail.

1. COMPONENT			2. DATE					
	FY 1996 MILITARY CONSTRUCTION PRO	OJECT DATA						
AIR FORCE	(computer generated)							
3. INSTALLATI	3. INSTALLATION AND LOCATION							
UNITED STATES	AIR FORCE ACADEMY, COLORADO							
4. PROJECT TI	TLE	5. P	ROJECT NUMBER					
SATIPLANE HAN	ICAR	l v	OP7930030					

Exposure to these conditions, over a long period of time, can weaken the airframe structure up to 85 percent. The Academy experiences severe weather on a recurring basis. Winds over 35 knots occur on the average of 134 days per year and hail, at least 1/4 inches in diameter, falls on an average of 15 days per year. This project will allow demolition of a temporary hangar facility.

IMPACT IF NOT PROVIDED: Adequate hangar space for sailplanes and motorgliders will not be available. The soaring program will continue to be an inefficient operation because aircraft must be constantly disassembled and reassembled. The potential for an aircraft incident, due to this mode of operation, will continue. Aircraft will be exposed to the harsh local weather conditions causing extensive aircraft damage. Expensive repairs will be required and the mission will suffer because of the time required to carry out these repairs. Expected airframe lives of the sailplanes and gliders will be dramatically reduced without this project.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements." The scope of this project is based on actual aircraft dimensions and established safety criteria. An economic analysis has been prepared comparing the alternatives of new construction and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

	NT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	
	ATION AND LOCATION	
	TES AIR FORCE ACADEMY, COLORADO	
. PROJECT	TITLE	5. PROJECT NUMBER
AILPLANE	HANCAR	XQPZ930030
ALDI DAMB	IIIIIIIII	
2. SUPPI	EMENTAL DATA:	
a. Est	mated Design Data:	
(1)	Status:	
, ,	(a) Date Design Started	94 AUG 12
	(b) Parametric Cost Estimates used to develop co	osts Y
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 SEP 27
	(e) Date Design Complete	95 JUN 01
(2)	Basis:	
(-/	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(-,	(a) Production of Plans and Specifications	190
	(b) All Other Design Costs	155
	(c) Total	345
	(d) Contract	230
	(e) In-house	115
(4)	Construction Start	96 JAN
	ent associated with this project will be provided	
. Equipm		d from
	opriations: N/A	d from
		d from

1. COMPONENT									-		2	. DATE
	F	199	96 MILIT	ARY CO	CRIC	TRUCT	ON	PROJECT	DA'	ΓA		
AIR FORCE			(C	ompute	er g	genera	tec	d)				
3. INSTALLATION AND LOCATION 4. PROJECT TITLE												
UNITED STATES AIR FORCE ACADEMY,												
COLORADO CHILD DEVELOPMENT CENTER						ER						
5. PROGRAM EI	LEMENT	6. 0	CATEGORY	CODE	7.	PROJE	CT	NUMBER	8.	PRO	JECT	COST(\$000)

4,200 740-884 XQPZ930036 8.58.96 9. COST ESTIMATES UNIT COST (\$000) U/M QUANTITY COST TTEM SF 23,700 CHILD DEVELOPMENT CENTER 120 2,844 SUPPORTING FACILITIES 935 LS UTILITIES 200) LS SITE IMPROVEMENTS 200) LS **PAVEMENTS** 200) LS PLAYGROUND EQUIPMENT 125) DEMOLITION SF 10,600 20 210) SUBTOTAL 3,779 CONTINGENCY (5%) 189 TOTAL CONTRACT COST 3,968 SUPERVISION, INSPECTION AND OVERHEAD (6%) 238 TOTAL REQUEST 4,206 TOTAL REQUEST (ROUNDED) 4,200 EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD) (127)

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes playground equipment, pavements, fencing, access drive, parking, utilities, site improvements, and all necessary support. Demolish three sub-standard facilities (10,649 SF).

Air Conditioning: 60 Tons.

11. REQUIREMENT: 35,369 SF ADEQUATE: 11,669 SF SUBSTANDARD: PROJECT: Construct a child development center. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Child development services are required for a total of 354 dependent children. A properly sized and functionally configured child development center is needed to provide supervised care for children ages six weeks through twelve years. Adequate child care facilities must be provided to accommodate the special requirements placed on military and civilian families as well as single parents. The programs offered must provide professional care, operate during nonstandard hours, provide services on an hourly, daily, or part-time basis, and provide early development care for children. The facility must provide areas for multiple program operations, allow simultaneous care of different age groups, provide space for parent involvement through conferences/workshops, and support family day care and training programs. CURRENT SITUATION: Presently, services are provided in one permanent and two temporary facilities. The permanent facility supporting 105 children is in adequate condition and will continue to be used. The temporary facilities have several fire deficiencies which endanger the occupants as well as threaten loss of accreditation. Temporary waivers allow use of

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
UNITED STATES	AIR FORCE ACADEMY, COLORADO	
4. PROJECT TI	TLE 5.	PROJECT NUMBER
CHILD DEVELOP	MENT CENTER	XOPZ930036

the facilities for a limited time. Existing facilities can support a total of 220 children. Daily attendance at the centers averages 220, or 100%. Currently the waiting list ranges between 65 and 120 children. actual number of children not being accommodated is higher because many parents to not bother placing their children on the list once they learn the required waiting period. This project will provide a facility to serve a total of 249 children. Many Academy employees must attempt to find accredited off-base child care facilities 10-23 miles away because of the long waiting list. Only 14 out of 110 local centers are accredited, and Academy personnel are eligible to use only 8 of these. Local accredited centers have long waiting lists, forcing Academy personnel to use nonaccredited centers. Due to space limitations, drop-in services cannot be provided. The permanent child development center cannot be expanded in any direction since it has a main arterial road to the south, AAFES gas station to the west, and steep rugged slopes on the north and east. This project will allow removal of two temporary facilities and demolition of a sub-standard building formerly used for child care. care provided at the Academy averages \$48 per week per child and averages \$120 per week per child on the local economy. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Personnel will be forced to find other more expensive and unaccredited child care services off the installation 10-23 This inability to provide safe and worry-free child care and preschool activities will cause unnecessary stress and financial hardship to those personnel who require these services. Some families will not be able to find affordable child care services, forcing parents to either quit work or place their children with unqualified people. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. An economic analysis has been prepared comparing alternatives of new construction and status quo operation. Based on net present value and benefits of the respective alternatives, new construction was found to be the more cost effective alternative over the life of the project.

COMPONENT			2. DATE
	FY 1996 MILITARY CONSTR		A
IR FORCE	(computer ge	nerated)	
. INSTALLATION A	AND LOCATION		
	R FORCE ACADEMY, COLORADO		
. PROJECT TITLE			5. PROJECT NUMBER
HILD DEVELOPMENT	CENTER		XQPZ930036
2. SUPPLEMENTAL	በ አ ሞል•		
. SOFFILMENTAL	DAIA.		
a. Estimated D	Design Data:		
(1) Status	3:		
	te Design Started		94 JAN 23
	rametric Cost Estimates		osts Y
	ercent Complete as of Jan	1995 ·	100%
	te 35% Designed.		94 APR 12
(e) Da	te Design Complete		95 JAN 03
(2) Basis:			
(a) St	andard or Definitive Des	sign -	NO
(b) Wh	ere Design Was Most Rece	ently Used -	A/N
(3) Total	Cost (c) = $(a) + (b)$ or	(d) + (e):	(\$000
(a) Pr	oduction of Plans and Sp	pecifications	228
(b) Al	l Other Design Costs		251
(c) To	tal		479
(d) Co	ntract		361
(e) In	-house		118
(4) Constr	uction Start		96 JAN
Equipment assoner appropriation	ociated with this projec	ct will be provided	l from
mer appropriaci	0113.		
		FISCAL YE	EAR
EQUIPME	NT PROCURI	NG APPROPRIAT	
NOMENCLA:	TURE APPROPRIA	ATION OR REQUEST	ED (\$000)
ILD DEV CTR EQU	IPMENT 3080	95	127
			•

	1. COMPONENT			2. DATE
		FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA	
_	AIR FORCE	(compute	r generated)	
	3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	
	UNITED STATES	S AIR FORCE ACADEMY,	UPGRADE FACILITIES	HEATING
	COLORADO		SYSTEM	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)
8.58.96 821-117 XQPZ920033 4,950

9. COST ESTIMAT	res			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
UPGRADE FACILITIES HEATING SYSTEM				2,880
INSTALL 7 INDIVIDUAL BOILERS	EA	7	411,430	(2,880)
SUPPORTING FACILITIES				1,360
DEMOLITION	SF	4,950	48	(240)
ASBESTOS REMOVAL	LS			(360)
REMOVE UNDERGROUND STORAGE TANKS	EA	2	45,000	(90)
SITE RESTORATION	LS	¢ .		(20)
UTILITIES	LS			(<u>650</u>)
SUBTOTAL				4,240
CONTINGENCY (10%)				424
TOTAL CONTRACT COST				4,664
SUPERVISION, INSPECTION AND OVERHEAD (6%)				280
TOTAL REQUEST				4,944
TOTAL REQUEST (ROUNDED)		·		4,950
	ł			
	j			

- 10. Description of Proposed Construction: Demolish existing high temperature hot water (HTHW) heat plant (4950 SF) and provide seven individual natural gas-fired hot water boilers to support seven existing facilities. Demolition includes removal of asbestos and underground fuel storage tanks. Abandon underground HTHW distribution system in place. Project includes all utilities and necessary support.
- 11. REQUIREMENT: 10 MB ADEQUATE: 0 SUBSTANDARD: 60 MB PROJECT: Upgrade facilities heating system. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility assessment requirement. A reliable and functional heat supply is required for facilities located within the service and supply area of the Air Force Academy for at least eight months of the year. The security police, civil engineer, civilian personnel, vehicle maintenance, and logistics functions occupy approximately 308,000 SF within this area and are dependent upon an extremely deteriorated and antiquated heating system. The existing system, consisting of a central heat plant and underground distribution system, is on the verge of failure and is expensive to operate and maintain. This project will provide stand-alone heating systems at each facility within the area, significantly saving energy and lowering operating costs.

CURRENT SITUATION: The existing heat plant has two 30 million BTUH high temperature hot water (HTHW) boilers supplying heat to seven outlying buildings. The boilers are 33 years old; well beyond their expected useful life. Further, boilers are oversized by 300% for the peak heating load. Operation at this level is extremely inefficient. Detailed inspections of the boilers indicate they must be replaced no later than 1996 to avoid total plant failure and loss of heat to mission essential

1. COMPONENT			2. Di	ATE
	FY 1996 MILITARY CONSTRUCTION	PROJECT DATA		
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		•	
UNITED STATES	S AIR FORCE ACADEMY, COLORADO			
4. PROJECT TI	TLE	5. :	PROJECT	NUMBER
UPGRADE FACIL	LITIES HEATING SYSTEM		XQPZ9200	033

facilities. Several companies that manufactured HTHW boilers have discontinued this product line or have gone out of business. Therefore, the availability of replacement parts to properly maintain these boilers is questionable for the future. Only one known company continues to manufacture boilers larger than 10 million BTUH. Further, boiler control and safety systems are obsolete and require replacement. Existing pumps and valves require major overhaul or replacement. The underground distribution system has developed several major leaks in its outer casing and complete failure is imminent. The exterior metal skin of the heat plant building is perforated with rust and requires replacement. A detailed technical analysis of available options was conducted to determine the best course of action. The analysis reflects the most economical solution is to decentralize the heat plant. The existing heat plant is manned 24 hours a day at a cost of \$260,000 per year. The system proposed will require only periodic inspections and can be remotely controlled and monitored providing significant manpower savings. IMPACT IF NOT PROVIDED: A high probability of total heat plant failure, with subsequent loss of heat to mission essential facilities, will continue. Energy will be lost as a result of the inefficient system. underground distribution system will continue to lose 9,325 million BTUH or \$27,000 per year. The opportunity to save \$287,000 per year in energy and manpower costs will be lost. Failure to fund this project will force the Academy to spend a minimum of \$1.4 million in 1996 to keep the plant operational; an investment in outdated technology which will also prolong unnecessary manpower and energy costs.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of decentralization, revitalization and status quo operation. Based on the net present values and benefits of the respective alternatives, decentralization was found to be the most cost efficient over the life of the project.

Page No

. COMPONENT		2. DATI	3
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	.TA	
IR FORCE	(computer generated)		
. INSTALLAT	ION AND LOCATION		
NITED STATE	S AIR FORCE ACADEMY, COLORADO		
. PROJECT T		5. PROJECT NU	JMBEI
PGRADE FACI	LITIES HEATING SYSTEM	XQPZ920033	3
.2. SUPPLEM	ENTAL DATA:		
a. Estima	ted Design Data:		
(1) S	tatus:		
(a) Date Design Started	93 JU	JL 1
(b) Parametric Cost Estimates used to develop	costs	•
(c	Percent Complete as of Jan 1995 :		100
(d) Date 35% Designed.	93 00	T 2
(e) Date Design Complete	94 SE	P O
(2) B	asis:		
(a	Standard or Definitive Design -	NO	
(þ	Where Design Was Most Recently Used -	N/A	
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$00
(a	Production of Plans and Specifications		27
(b	All Other Design Costs		16
(c	Total		43
(d	Contract		32
(e	In-house		11
(4) C	onstruction Start	96	JA
. Equipment	associated with this project will be provide	ed from	
	ciations: N/A		

AIR FORCE										
AIR FORCE Computer generated S. AREA CONST	1. COMPONENT							2. DA	ΓE	
3. INSTALLATION AND LOCATION 4. COMMAND AIR MOBILITY COST INDEX COST INDEX COMMAND 6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV TOTAL a. As of 30 SEP 94 396 3676 1233 3 29 592 5,929 b. End FY 2000 7. INVENTORY DATA (\$000) a. Total Acreage: (3,936) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: (43,200 d. Authorization Not Yet In Inventory: (5,500 d. Authorization Included In Following Program: (FY 1997) d. Authorization Included In Following Program: (FY 1997) d. Authorization Included In Following Program: (FY 1997) d. Authorization Included In Following Program: (FY 1997) d. Authorization Included In Following Program: (FY 1997) d. Authorization Included In Following Program: (FY 1997) d. Grand Total: (FY 19					PROGI	MAS	Ì			
AIR MOBILITY								5 301	72 001/0	
DOVER AIR FORCE BASE, DELAWARE COMMAND 1.03	3. INSTALLATION AN	D LOCATION	1	-	m.,		1	į.		
DOVER AIR FORCE BASE, DELAWARE CONTENT					T. X		l	1		
OFF ENL CIV OFF ENL CIV OFF ENL CIV OFF ENL CIV OFF ENL CIV OFT ENL CIV OTT CIV OTT						CIII	POPT		1	
a. As of 30 SEP 94 396 3676 1233 3 29 592 5,929 b. End FY 2000 372 3468 1132 3 29 592 5,596 7. INVENTORY DATA (\$000) a. Total Acreage: (3,936)	6. PERSONNEL				1				TOTAL.	
b. End FY 2000 372 3468 1132 3 29 592 5,596 7. INVENTORY DATA (\$000) a. Total Acreage: (3,936) b. Inventory Total As of: (30 SEP 94) 221,383 c. Authorization Not Yet In Inventory: 43,200 d. Authorization Requested In This Program: 5,500 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 17,000 g. Remaining Deficiency: 17,000 h. Grand Total: 318,133 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 141-753 C-5 SQUADRON OPERATIONS/ 31,200 SF 5,500 AUG 94 SEP 95 AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0				F ENL	CIV					
7. INVENTORY DATA (\$000) a. Total Acreage: (3,936) b. Inventory Total As Of: (30 SEP 94)		1 - 1 1	į.			_	_		1	
a. Total Acreage: (3,936) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: 43,200 d. Authorization Requested In This Program: 5,500 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,050 g. Remaining Deficiency: 17,000 h. Grand Total: 318,133 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 141-753 C-5 SQUADRON OPERATIONS/ 31,200 SF 5,500 AUG 94 SEP 95 AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	b. End FY 2000	1 1		7 (6000	<u> </u>			. 7 372	3,33	
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: COST COST COST PROJECT TITLE SCOPE (SO00) 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM 141-454 SPECIAL OPERATIONS 141-454 SPECIAL OPERATIONS 150-142 FIRE/CRASH RESCUE STATION 161-249 WING HEADQUARTERS FACILITY 170-050 STATUS 201-000 SF 2,650 170-000 SF 2,650 141-454 SPECIAL OPERATIONS 201-000 SF 2,650 100-249 WING HEADQUARTERS FACILITY 7000 SF 1,200 1000 Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 221,383 43,200 43,200 43,200 43,200 43,200 43,200 41,000 17,000 318,133 COST DESIGN STATUS COST DESIGN STATUS START CMPL 17,000 318,133 COST DESIGN STATUS TOTAL: 5,500 AUG 94 SEP 95			TORY DAT	A (\$000	<u>) </u>					
C. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE PROJECT TITLE SCOPE 11,000 318,133 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE PROJECT TITLE SCOPE 141-753 C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	a. Total Acreage:		0.43					221 3	คร	
d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: CODE PROJECT TITLE SCOPE PROJECT TITLE SCOPE AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 1,200 1721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 1,600 c. Occupational safety and health:	b. Inventory Total	As Of: (30 SEP	94)					•		
e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 31,050 g. Remaining Deficiency: 318,133 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 141-753 C-5 SQUADRON OPERATIONS/ 31,200 SF 5,500 AUG 94 SEP 95 AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 1. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	c. Authorization N	ot Yet In Invent	ory:	. •				=		
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE SCOPE PROJECT TITLE SCOPE PROJECT TITLE SCOPE TOTAL: 7,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE Photogram Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM 130-142 FIRE/CRASH RESCUE STATION 141-454 SPECIAL OPERATIONS 144-454 SPECIAL OPERATIONS 150-50 SPECIAL OPERATIONS 1610-249 WING HEADQUARTERS FACILITY 17,000 SF 1,200 17,600 17,600 17,600 17,600 17,600 17,600 17,600 17,600 17,600 17,600 17,600 17,600	d. Authorization F	Requested In This	Program	aram.	/FV '	19971		5,5		
17,000 318,133 17,000 318,133 17,000 318,133 18,133	e. Authorization I	ncluded in Follo	wing Pic	yram.	(11.	20011		31.0	· .	
N. Grand Total:			als:	•				-		
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE SCOPE PROJECT TITLE SCOPE SCOPE STATUS SOOD AUG 94 SEP 95 STATUS STATUS STATUS SOOD AUG 94 SEP 95 STATUS STATUS SOOD AUG 94 SEP 95 STATUS SOOD AUG 94 SEP 95 AUG STATUS SOOD AUG 94 SEP 95 AUG STATUS SOOD AUG STATUS		elency:						-		
CATEGORY CODE PROJECT TITLE SCOPE SCOPE PROJECT TITLE SCOPE SCOPE START CMPL 141-753 C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 144-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	h. Grand Total:	TED IN THIS PROG	RAM: F	1996			w			
CODE PROJECT TITLE SCOPE (\$000) START CMPL 141-753 C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:		SIED IN INIO INCO				cos	r D	ESIGN	STATUS	
141-753 C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:		PROJECT TITLE		SCOPE		(\$000) -	START	CMPL	
AIRCRAFT MAINTENANCE UNIT FAC TOTAL: 5,500 9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	CODE									
Pa. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	141-753 C-5 SOUAL	RON OPERATIONS/		31,200	SF	5,50	00 A	UG 94	SEP 9	
9a. Future Projects: Included in the Following Program (FY 1997) NONE 9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	AIRCRAFT	MAINTENANCE UNI	T FAC		_					
9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:				TOTAL	<u>: </u>					
9b. Future Projects: Typical Planned Next Four Years: 121-122 REPAIR HYDRANT FUELING SYSTEM LS 16,000 130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	9a. Future Projec	ts: Included in	the Fo	lowing	Prog	ram (I	FY 19	97) N	ONE	
130-142 FIRE/CRASH RESCUE STATION 14,500 SF 2,300 141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	9b. Future Projec	ts: Typical Pla	nned Ne:	t Four	Year	s:				
141-454 SPECIAL OPERATIONS 20,000 SF 2,650 610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 1,600	121-122 REPAIR HY	DRANT FUELING SY	STEM							
610-249 WING HEADQUARTERS FACILITY 7,000 SF 1,200 721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	130-142 FIRE/CRAS	SH RESCUE STATION	I			•				
721-312 DORMITORY 350 PN 4,400 10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:										
10. Mission or Major Functions: An airlift wing with two C-5 squadrons; and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	610-249 WING HEAD	QUARTERS FACILIT	Y.							
and an Air Force Reserve C-5 associate airlift wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	721-312 DORMITORY									
11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	10. Mission or Ma	ijor Functions:	An airl	ft wing	wit.	h two	C-5	squad	rons;	
a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	and an Air Force H	Reserve C-5 assoc	iate ai:	lift wi	ng.					
a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	11. Outstanding p	pollution and saf	ety (OS)	i) defic	ıenc	ies:				
b. Water pollution: 1,600 c. Occupational safety and health: 0	a. Air pollu	ition:							-	
c. Occupational safety and health:	b. Water pol	llution:								
d. Other Environmental:			ealth:						-	
	d. Other En	vironmental:							U	

1. COMPONENT						2	DATE
	ים	V 1006 MTTTTADV C	ONSTRICT	מת זארודים	יע בבינה בי	1	DAIL
FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)					14		
			er gener				
3. INSTALLATI	ON AN	D LOCATION			JECT TIT		
C-5 SQUADRON OPI						•	
DOVER AIR FOR			72		FT MAINT		
5. PROGRAM EI	LEMENT	6. CATEGORY CODE	7. PRO	JECT NU	MBER 8.	PROJECT	COST (\$000
	•						
4.18.96		141-753		953002			5,500
		9. cos	T ESTIM	TES			
						UNIT	COST
		ITEM		U/M	QUANTITY	COST	(\$000)
C-5 SQUADRON	OPERA?	TIONS/ AIRCRAFT					
MAINTENANCE UNIT FACILITY				SF	31,200	125	3,900
SUPPORTING FACILITIES							1,085
UTILITIES							(195
SITE IMPROV	EMENTS	3		Ls			(75
PAVEMENTS				SY	4,000	35	1 '
ELEVATOR				EA	1	100,000	,
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL			SF	41,000	14	1 '	
SUBTOTAL						**	4,985
CONTINGENCY (5%)						249
TOTAL CONTRAC		י				1	5,234
			D /6%\				i ·
SUPERVISION, INSPECTION AND OVERHEAD (6%)				ı		1	314

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, demolition and asbestos removal, and all necessary support.

Air Conditioning: 60 Tons.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

11. REQUIREMENT: As required.

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, iterim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, flight planning, mobility office, briefing/debriefing, training and testing, tool rooms, technical order library, flying/ground safety, standardization/evaluation, locker rooms, bench stock, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command. CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at Dover AFB. The AMU's are housed in interim facilities which are approved for use only until this project is completed. The airlift operation's squadrons are housed in substandard and physically separated facilities. These

5,548

5,500

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
DOVER AIR FOR	RCE BASE, DELAWARE	
4. PROJECT TI	TLE 5.	PROJECT NUMBER

C-5 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

facilities are crowded and inefficient. Additional space is required for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project two substandard facilities totalling 41,000 SF will be demolished. IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

FJXT953002

· Com on	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. D	ATE
IR FORCE		(computer generated)		
. INSTAL	LATIC	ON AND LOCATION		
OVER AIR	FORC	CE BASE, DELAWARE		
. PROJEC	r TIT	LE	5. PROJECT	NUMBER
-5 SQUADI	RON O	PERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	FJXT953	002
2. SUPP	LEMEN	TAL DATA:		
a. Est	imate	ed Design Data:		
(1)	Sta	itus:		
	(a)	Date Design Started	94	AUG 26
		Parametric Cost Estimates used to develop of	costs	Y
	(c)	Percent Complete as of Jan 1995		35%
		Date 35% Designed.	94	OCT 13
		Date Design Complete	95	SEP 08
(2)	Bas	is:		
	(a)	Standard or Definitive Design -	N	0
	(p)	Where Design Was Most Recently Used -	N	/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(a)	Production of Plans and Specifications		330
		All Other Design Costs		330
	(C)	Total		660
	(d)	Contract		460
	(e)	In-house		200
(4)	Con	struction Start		96 APR
. Equipn	nent	associated with this project will be provide	ed from	
		ations: N/A	a IIOm	•

1. COMPONENT							2	. DA	re
	FY 1996	MILITARY	CONSTRU	CTION	PROGI	RAM			
AIR FORCE		(compute	r gener	ated)			ļ		
	ON AND LOCAT			DIAMMC			5	. ARI	EA CONS
BOLLING AIR F	ORCE BASE, DI	STRICT OF	AIR	FORCE 1	DIST	RICT		COS	ST INDE
COLUMBIA	•		1	ASHING'	TON			1.	.03
. PERSONNEL		PERMANENT	S'	TUDENT	s	SUE	PORTE	D	
STRENGTH	OFI	ENL CI	V OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S	EP 94 626	1618 9	65			1	39	217	3,46
o. End FY 200		l i	15			1	39	217	3,39
		7. INVENTO	RY DATA	(\$000)			4	
. Total Acre	eage: (
	Total As Of:		4)				2	42,11	10
	ion Not Yet							11,40	
	ion Requested							12,10	
. Authorizat	ion Included	In Followi	na Proa:	cam:	(FY 3	1997)			0
	Next Four Pr				`	,		23,47	77
g. Remaining								18,50	
h. Grand Tota							3	07,58	37
	REQUESTED IN T	HIS PROGRA	M: FY	1996	***************************************				
CATEGORY						cosi	DE:	SIGN	STATUS
CODE	PROJECT 1	TITLE	:	SCOPE		(\$000)) <u>S</u>	TART	CMPI
			•						
721-312 ALTE	R DORMITORY			378	PN	6,50	00 MA	Y 94	SEP 9
	R GUARD DORMI	TORY				5,60		G 94	
				TOTAL	_	12,10	_		
9a. Future F	rojects: Inc	luded in t	he Follo	owing 1	Progr	am (F	Y 199	7) NC	ONE
	rojects: Typ								
	TION VEHICLE			6,000			00		
FAC	ILITY								
442-758 MOBI	LITY SUPPORT	CENTER		11,300	SF	1,75	0		
730-441 CONS	OLIDATED SUPP	ORT CENTER		30,000	SF	5,39	7		
730-773 ADDI	TION TO CHAPE	CL		2,500	SF	43	30		
740-674 PHYS	ICAL FITNESS	CENTER		40,000	SF	6,00	00		
10. Mission	or Major Fund	tions: Su	pports A	Air Fo	rce p	erson	nel i	n the	
	tol Region.								
	rgeon General								
of Special In	vestigation;	Air Force	Office of	of Sci	entif	ic Re	searc	h; Ai	ir
Force Legal S	ervices Agend	y; Air For	ce Medio	al Su	pport	: Ager	cy; U	SAF E	Band;
and USAF Hono	r Guard.								
11. Outstand	ing pollution	and safet	y (OSH)	defic	ienci	Les:			
a. Air	pollution:							()
	r pollution:							()
	pational safe	ty and hea	lth:					()
	r Environment	-						(כ

1. COMPONENT			2. DATE
	FY 1996 MILITARY CO	ONSTRUCTION PROJECT DATA	
AIR FORCE	(compute	er generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
BOLLING AIR FOR	CE BASE,		
DISTRICT OF COL	UMBIA	ALTER DORMITORY	
E DECCEAM FIRM	ENT 6 CATECORY CODE	7 DECTECT NUMBER O DEC	TECH COCH (COOO)

 PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

 9.12.12A
 721-312
 BXUR870201
 6,500

	9. COST ESTIMATE	S	•			ı
				UNIT	COST	ĺ
-	ITEM	I U/M	QUANTITY	COST	(\$000)	L
	ALTER DORMITORY (378 PN)				5,376	l
	ALTERATION	SF	192,000	26	(4,992)	ĺ
	AUTOMATIC SPRINKLER PROTECTION	SF	192,000	2	(384)	
	SUPPORTING FACILITIES				200	
	ASBESTOS REMOVAL	LS			(200)	
	SUBTOTAL				5,576	
	CONTINGENCY (10%)				558	
	TOTAL CONTRACT COST				6,134	
	SUPERVISION, INSPECTION AND OVERHEAD (6%)				368	
	TOTAL REQUEST				6,502	
	TOTAL REQUEST (ROUNDED)				6,500	

- 10. Description of Proposed Construction: Alters existing nine-story facility to provide room-bath-room configuration. Convert existing centrally located latrines to storage areas. Replace existing windows, upgrade utility systems, upgrade interior walls, and upgrade lobby and vending areas. Project includes fire protection and necessary support. Air Conditioning: 300 Tons. Grade Mix: 378 E1-E4.
- 11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, safety, and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 378 personnel: 378 E1-E4, with a maximum utilization of 378 personnel.

CURRENT SITUATION: The existing nine-story dormitory facility was constructed in 1968 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Dormitory residents must share central latrine facilities offering little, if any, personal privacy. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing shift workers from getting necessary rest. Further, the antiquated lighting fixtures do not provide adequate illumination and contribute to the poor living environment. Existing

1. COMPONENT		2. DA	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
AIR FORCE	(computer generated)		
3. INSTALLATIO	N AND LOCATION		
BOLLING AIR FO	RCE BASE, DISTRICT OF COLUMBIA		
4. PROJECT TIT	LE 5.	PROJECT	NUMBER

single pane windows allow air infiltration and are energy inefficient. There is no centralized storage area causing wasted living space and cluttered rooms.

IMPACT IF NOT PROVIDED: The base will not have a viable option for correcting this troop housing deficiency. Substandard living conditions will continue to persist and degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost efficient over the life of the project.

BXUR870201

ALTER DORMITORY

	ENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	3	
	LATION AND LOCATION	I
OLLING A	IR FORCE BASE, DISTRICT OF COLUMBIA	
. PROJEC		ROJECT NUMBER
LTER DOR	MITTORY	VIID030001
		XUR870201
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	94 MAY 01
	(b) Parametric Cost Estimates used to develop costs	Y
	(c) - Percent Complete as of Jan 1995	50%
	(d) Date 35% Designed.	94 OCT 01
	(e) Date Design Complete	95 SEP 01
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	325
	(b) All Other Design Costs	225
	(c) Total	550
	(d) Contract	475
	(e) In-house	75
(4)	Construction Start	96 JAN
Equipm	ent associated with this project will be provided fro	om
her appr	opilacions. N/N	
her appr	opitions: N/N	
her appr	opitions: Ny N	
her appr		
her appr	· ·	
her appr	·	
her appr	opitions: Ny h	
her appr		
her appr		
her appr		

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AN	LOCATION	4. PROJECT	TITLE
BOLLING AIR FORCE	BASE	HONOR GUARD	DORMITORY
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
9.12.12A	721-312	BXUR951037	5,600
	9. COS	r estimates	

,, cop. 2012.a				
			UNIT	COST
ITEM ·	U/M	QUANTITY	COST	(\$000)
HONOR GUARD DORMITORY	LS			3,235
DORMITORY (72 PN)	SF	25,600	105	(2,688)
TRAINING FACILITY	SF	5,500	90	(495)
AUTOMATIC SPRINKLER PROTECTION	SF	26,000	2	(52)
SUPPORTING FACILITIES	*			1,755
UTILITIES	LS			(250)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(200)
SPECIAL FOUNDATIONS	LS			(900)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	23,500	15	(<u>355</u>)
SUBTOTAL				4,990
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST				5,554
TOTAL REQUEST (ROUNDED)				5,600

- 10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, site improvement and demolition of an existing facility. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Provide a one-story, vaulted ceiling structure, masonry construction, fire protection and site improvements. Air Conditioning: 70 Tons. Grade Mix: 72 E1-E4.
- 11. REQUIREMENT: As required.

PROJECT: Construct dormitory and training facility. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 72 personnel: 72 E1-E4, with a maximum utilization 72 personnel. CURRENT SITUATION: The existing three-story dormitory facility was constructed in 1955 to design standards and criteria in effect at that time. This dormitory has received no major upgrades or renovations since originally constructed. Each room is less than 150 square feet and personnel share a 25 square foot shower/latrine area between each set of rooms. Existing room walls are painted concrete masonry unit (CMU) block providing an extremely austere living environment for dormitory occupants and lack adequate sound attenuation preventing the Honor Guard members from getting necessary rest. There is no centralized storage area causing wasted living space and cluttered rooms. This facility provides

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

BOLLING AIR FORCE BASE

4. PROJECT TITLE

5. PROJECT NUMBER

HONOR GUARD DORMITORY

BXUR951037

centralized supply, administrative, armory and briefing areas for the Air Force Honor Guard. The existing training facility is a temporary facility that does not provide an adequately configured, permanent structure for the Honor Guard training operations with other services.

IMPACT IF NOT PROVIDED: Adequate living quarters and training areas will

IMPACT IF NOT PROVIDED: Adequate living quarters and training areas will
continue to be unavailable resulting in degradation of morale,
productivity, and career satisfaction for unaccompanied enlisted
personnel.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, alteration and status quo operations. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ТА	2. 5
AIR FORCE	(computer generated)	•••	
	ION AND LOCATION		
:			
BOLLING AIR			
4. PROJECT T	ITLE	5. PRC	DJECT NUMBER
HONOR GUARD	DORMITORY	BXU	JR951037
		•	****
12. SUPPLEM	ENTAL DATA:		
a Patima	ted Design Date:		
a. Estima	ted Design Data:		
(1) S	tatus:		
, ,) Date Design Started		94 AUG 01
) Parametric Cost Estimates used to develop	costs	N N
	Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		95 JAN 01
(е) Date Design Complete		95 SEP 01
(2) B	asis:		
, ,) Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		330
	All Other Design Costs		225
	Total		555
(d)	Contract		555
(e)	In-house		
(4) Co	onstruction Start		96 JAN
	associated with this project will be provide	d from	
Ther appropr	iations. N/A		

other appropriations: N/A

1. COMPONENT							[:	2. DA	re
	Y 1996 MILIT				PROGF	MAS			
AIR FORCE		puter o		MMAND				E NDI	EA CONS
3. INSTALLATION AND			AIR E						ST INDE
CAPE CANAVERAL AIR F	ORCE STATION	,			A NID				.98
FLORIDA	DEDVAN	Taxim		UDENT:		CIII	PORTI		. 90
6. PERSONNEL	PERMAN				CIV	OFF		CIV	TOTAL
STRENGTH		CIV	OFF	FNL	CIV	OFF	FNL	CIV	
a. As of 30 SEP 94	145 193								57
o. End FY 2000	147 189		DAGA	(6000	<u></u>				56
Motol Agrees /		ENTORY	DAIA	(\$000					
a. Total Acreage: (b. Inventory Total A		ו 40 מש						190,32	7
a. Inventory local A c. Authorization Not								65,80	
d. Authorization Not			ream.					1,60	
a. Authorization Req e. Authorization Inc				am:	/FY 1	997)		1,00	0
f. Planned In Next F			11091	· • · · · · ·	,	,		4,00	
g. Remaining Deficie		rears.						41,51	
h. Grand Total:	ney.							503,24	
B. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY I	1996				,.	
CATEGORY						cosi	ום יו	ESIGN	STATUS
	JECT TITLE		5	SCOPE		(\$000	_	START	CMPL
			-			*************************************			
179-511 FIRE TRAINI	NG FACILITY				LS	1,60	00 MZ	AY 94	FEB 9
				TOTAL	_	1,60	-		
a. Future Projects	: Included	in the	Follo	owing	Progr			97) NO	ONE
9b. Future Projects									
831-165 SEWAGE TREA					LS	4,00	00		
10. Mission or Majo			e spac	e lau	nch s	quadi	ons a	and a	space
systems squadron whi									
satellites, and spac		-							
Also, supports inter									ch as
NASA, and Army, Navy						-			
11. Outstanding pol	lution and s	afety	(OSH)	defic	ienci	les:			
a. Air polluti	on:)
b. Water pollu	tion:							7,000	0
c. Occupationa	l safety and	healt	h:					(0
d. Other Envir	onmental:							(0

1. COMPONENT			2. DATE
	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLAT	ION AND LOCATION	4. PROJECT TITLE	
CAPE CANAVER	AL AIR FORCE STATION,		
FLORIDA		FIRE TRAINING FACI	LITY
5. PROGRAM EI	LEMENT 6. CATEGORY CODE 7	PROJECT NUMBER 8. PRO	JECT COST(\$000)

3.58.56	179-511	DBEH96	3014			1,600
	9. cos:	ESTIMATE:	s			
					UNIT	COST
	ITEM		U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACIL	LITY		LS			1,050
SUPPORTING FACILITY	ES					365
SITE IMPROVEMENTS	5		LS	[(75)
UTILITIES			LS			(50)
ARTERIAL ACCESS F	ROAD		LF	2,500	96	(240)
SUBTOTAL						1,415
CONTINGENCY (5%)				,		71
TOTAL CONTRACT COST	נ			•		1,486
SUPERVISION, INSPEC	CTION AND OVERHEAD	(6%)				89
TOTAL REQUEST						1,575
TOTAL REQUEST (ROUN	IDED)					1,600
Į						
				[
í			l	l	ı	

- 10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; large-frame aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; access road; and necessary support.
- 1 EA ADEQUATE: O SUBSTANDARD: REQUIREMENT: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122.26). Construct a fire training facility (FTF) which meets CWA, Clean Air Act, and Resource Conservation and Recovery Act (RCRA) requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and ground water. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility, which complies with all applicable criteria and environmental requirements, on every major Air Force installation to meet fire training requirements. In this case, this proposed new facility will consolidate the fire training functions for Cape Canaveral Air Force Station (CCAFS) and Patrick AFB.

CURRENT SITUATION: The old fire training areas at Cape Canaveral and Patrick AFB violated Environmental Protection Agency (EPA) and Florida state pollution standards, and were closed in 1984 and 1991, respectively. Since these closings, firefighters at these bases have not had a crash rescue fire training facility on base at which to train and maintain the required level of proficiency in both fire fighting and the protection of

•	1. COMPONENT		2. D	ስጥሮ
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ጥል	2. 0	uir.
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION CAPE CANAVERAL AIR FORCE STATION, FLORIDA			
•	4. PROJECT TITLE	5. PR	OJECT	NUMBER
-	FIRE TRAINING FACILITY	DE	EH963(014

Air Force personnel and resources. Their training has been accomplished at other locations and has consisted only of structural fire fighting once each year; they have had no opportunity for crash rescue fire training.

IMPACT IF NOT PROVIDED: Fire fighters at Cape Canaveral and Patrick AFB will continue to have no facility for crash response fire training.

Without the stress and realism possible only with live fires, these fire fighters will continue to lose proficiency in combating fires. Potential for loss of life and aircraft is significantly increased. Federal Aviation Administration and Air Force requirements and standards will not be met.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project, and new construction was determined to be the optimum solution.

Page No

1	Y 1996 MILITARY CONSTRUCTION PROJECT DA	TA	2. DATE
AIR FORCE 3. INSTALLATION AND	(computer generated)	1	
3. INSTALLATION AND	D LOCATION		
CAPE CANAVERAL AIR	FORCE STATION, FLORIDA		
4. PROJECT TITLE		5. PRO	JECT NUMBER
FIRE TRAINING FACI	LITY	DBE	H963014
10			
12. SUPPLEMENTAL I	DATA:		
a. Estimated De	sign Data:		
a. Docamacca De.	org. Bucu.		
(1) Status:			
(a) Date	e Design Started		94 MAY 17
(b) Para	ametric Cost Estimates used to develop	costs	Y
(c) Pero	cent Complete as of Jan 1995		95%
	e 35% Designed.		94 OCT 01
(e) Date	e Design Complete		95 FEB 01
(2) Basis:			
(a) Star	ndard or Definitive Design -		YES
(b) When	re Design Was Most Recently Used -		EGLIN
(3) Total Co	ost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Prod	duction of Plans and Specifications		96
	Other Design Costs		60
(c) Tota	al		156
(d) Cont			
(e) In-h	nouse		156
(4) Construc	ction Start		96 MAR
b. Equipment assoc	ciated with this project will be provide	ed from	

other appropriations: N/A

L. COMPONENT										2. DAT	E
	FY	1996				TION F	ROGE	MAS			
AIR FORCE				outer o	enera	itea)				E ADE	N CONST
3. INSTALLAT	ON AND LO	CATIO	N		1	DMMAND			- 1		
					AIR F				1		
EGLIN AIR FOR	CE BASE,	FLORI	DA			RIEL CO					. /3
6. PERSONNEL			ERMANI			UDENTS					- momat
STRENGTH	اِ		ENL			ENL	CIV				
a. As of 30 S	i		6112					32		Center; a with three 16 aircraft;	
b. End FY 200	0			3500				32	21	4 500	11,70
				ENTORY	DATA	(\$000)					
a. Total Acre	age: (463,1	.17)							C27 07	
b. Inventory	Total As	Of:	(30 SI	EP 94)						-	
c. Authorizat	ion Not ?	Yet In	Inve	ntory:						-	
d. Authorizat	ion Reque	ested	In Th	is Pro	gram:					-	
e. Authorizat	ion Incl	uded I	n Fol	lowing	Progr	cam:	(FY	1997)			•
f. Planned I	Next For	ur Pro	gram :	Years:		4				-	
g. Remaining											
h. Grand Tota	al:									755,48	33
8. PROJECTS	REQUESTED	IN TH	IIS PRO	OGRAM:	FY :	1996					
CATEGORY								COST	_		
CODE	PROJ	ECT TI	TLE			SCOPE		(\$000)	START	CMPL
	\										
111-111 REP	AIR RUNWA	Y			34	43,300	SY .		_	10V 93	JAN 9
					_	TOTAL		6,20			
9a. Future	Projects:	Incl	Luded	in the	Folle			ram (F	Y 19	997)	
721-312 UPG						550		7,30			
871-183 UPG	RADE STOR	M DRAI	NAGE	SYSTEM			LS	1,20		rurn K	EY
						TOTAL		8,50	0		
9b. Future	Projects:	Турі	ical P	lanned	Next	Four	Year	s:			
113-321 REP											
211-152 ALT			POSE A	IRCRAF	T	88,000	SF	3,50	0		
	INTENANCE					_					
211-159 ALT	ER CORROS	ION CO	ONTROL			1	EA	1,90	10		
	CILITY										
219-944 TES						3,000		50			
	SS AIRCRA		ST			20,000	SF	5,40	00		
SU	PPORT FAC	ILITY									
10. Mission	or Major	Funct	tions:	Air	Force	Devel	opme	nt Tes	st C	enter;	a
test wing; a	n air bas	e win	g; Air	Comba	t Com	mand f	ight	er wir	ig w	ith th	ree
F-15 squadro	ns; the U	SAF A	ir War	fare C	enter	with	F-15	and I	7-16	aircr	aft;
and an Air F	orce Spec	ial O	perati	ons Co	mmand	HC-13	0 sp	ecial	ope	ration	s
squadron.											
11. Outstan	ding poll	ution	and s	afety	(OSH)	defic	ienc	ies:			
	pollutio	n:									
a. Air										•	
	er pollut									1 00	_
b. Wat			ty and	l healt	:h:					1,90	00
b. Wat c. Occ	upational	safe		l healt	h:					1,90	
b. Wat c. Occ		safe		l healt	h:					1,90	

1. COMPONENT							2	. DATE
	F	Y 1996 MILITAR	Y CONS	TRUCTIO	N PR	OJECT DATA	A	
AIR FORCE		(com	puter o	generat	ed)			
3. INSTALLATI	ON ANI	LOCATION		4.	PRO	JECT TITL	Ξ	
EGLIN AIR FOR						RUNWAY		
5. PROGRAM EI	LEMENT	6. CATEGORY C	ODE 7.	PROJEC'	r NU	MBER 8. 1	PROJECT	COST(\$000)
7.28.06	<u></u>	111-111		FTFA96	3033			6,200
		9.	COST ES	STIMATES	5			
		ITEM			U/M	OUANTITY	UNIT	COST (SOCO)

			UNIT	COST
ITEM	א/ט	QUANTITY	COST	(\$000)
REPAIR RUNWAY	SY	343,300		4,915
ASPHALT OVERLAY	SY	340,000	13	(4,420)
REPLACE CONCRETE SLABS	SY	3,300	150	(495)
SUPPORTING FACILITIES				430
AIRFIELD PAVEMENT MARKINGS	LS			(150)
UTILITIES/LIGHTING	LS			(280)
SUBTOTAL	'	£		5,345
CONTINGENCY (10%)				535
TOTAL CONTRACT COST				5,880
SUPERVISION, INSPECTION AND OVERHEAD (6%)			i	353
TOTAL REQUEST	ľ			6,233
TOTAL REQUEST (ROUNDED)		Ī		6,200
		}		Ĭ
		-		
		ļ		Ì
		ľ		
	1 1		1	i

10. Description of Proposed Construction: Remove 3 to 4 inches of runway surface and overlay with new asphalt; replace damaged concrete slabs on both ends of the runway; re-paint pavement markings, install airfield lighting, utilities, and necessary support.

REQUIREMENT: 343,300 SY ADEQUATE: 0 SUBSTANDARD: 343,300 SY PROJECT: Repair a runway. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Provide adequate airfield surfaces to continue existing flying missions at Eglin Air Force Base. This particular runway serves the 46th Test Wing, the 33rd Fighter Wing and the Okaloosa County Air Terminal. The primary aircraft operating out of Eglin AFB include the F-15, F-16, F-111, DC-9, KC-135 and the C-130. As of April 1992, transient and permanently assigned fighter/test aircraft logged over 39,000 take-offs and landings per year from the base's two runways. CURRENT SITUATION: There are cracked and spalled concrete slabs and weathering on this runway, and the asphalt is rapidly deteriorating. Various concrete slabs in the touchdown areas at both ends of the runway are shattered and need to be replaced. Pieces of aggregate have come loose, creating foreign object damage (FOD) hazards which could be ingested into jet engine intakes. FOD causes thousands of dollars worth of engine damage and aircraft crashes from resulting engine failure. Excessive maintenance is required to maintain safety from FOD. The Air Force Civil Engineering Support Agency at Tyndall AFB, Florida, is responsible for evaluating the performance and conditions of airfield pavements throughout the Air Force. In April 1992 they evaluated this pavement and recommended that the entire runway be repaired as soon as possible.

•			
	1. COMPONENT		2. DATE
	FY 1996 MIL:	ITARY CONSTRUCTION PROJECT DATA	
_	AIR FORCE	(computer generated)	
	3. INSTALLATION AND LOCATION		
	EGLIN AIR FORCE BASE, FLORIDA	1	
į	4. PROJECT TITLE	5.	PROJECT NUMBER

IMPACT IF NOT PROVIDED: Runway will continue to present an unacceptable FOD hazard to aircraft and there will be an increased potential for accidents or damage caused by failing runway surfaces. The runway will have to be closed to aircraft creating an adverse impact on Eglin missions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present value and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project.

REPAIR RUNWAY

FTFA963033

. COMPONE	NT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA
IR FORCE	(computer generated)	
. INSTALI	ATION AND LOCATION	
GLIN AIR	FORCE BASE, FLORIDA	
. PROJECT	TITLE	5. PROJECT NUMBE
EPAIR RUN	WAY	FTFA963033
2. SUPPI	EMENTAL DATA:	
2. 30FFI	SMENIAL DAIA:	
a. Esti	nated Design Data:	
(1)	Status:	
, .	(a) Date Design Started	93 NOV 3
	(b) Parametric Cost Estimates used to develo	op costs
	(c) Percent Complete as of Jan 1995	100
	(d) Date 35% Designed.	94 APR 1
	(e) Date Design Complete	95 JAN 1
(2)	Basis:	
	(a) Standard or Definitive Design -	NO ·
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (0) = (0) + (b) on (d) (0)	
	Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications	(\$00
	b) All Other Design Costs	32
	c) Total	16
	d) Contract	48
	e) In-house	48
(4)	Construction Start	96 FE
D- 1:		
	ent associated with this project will be prov	vided from
ner appr	priations: N/A	

1	2. DATE
FY 1996 MILITARY CONSTRUCTION PROGRAM	2. DAIE
AIR FORCE (computer generated)	5. AREA CONST
3. INSTALLATION AND LOCATION 4. COMMAND	
AIR EDUCATION	COST INDEX
TYNDALL AIR FORCE BASE, FLORIDA AND TRAINING COMMAND	0.75
	PORTED
STRENGTH OFF ENL CIV OFF ENL CIV OFF	ENL CIV TOTAL
a. As of 30 SEP 94 793 3798 1010 69 31	29 103 5,833
o. End FY 2000 726 3643 930 69 31	29 103 5,531
7. INVENTORY DATA (\$000)	
a. Total Acreage: (28,906)	
o. Inventory Total As Of: (30 SEP 94)	241,692
c. Authorization Not Yet In Inventory:	2,600
d. Authorization Requested In This Program:	1,200
e. Authorization Included In Following Program: (FY 1997)	0
f. Planned In Next Four Program Years:	5,300
g. Remaining Deficiency:	17,000
n. Grand Total:	267,792
3. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996	
CATEGORY COST	DESIGN STATUS
CODE PROJECT TITLE SCOPE (\$000)	
CODE TROUBET TITES DOOLD (\$4000)	
179-511 FIRE TRAINING FACILITY LS 1,200	MAR 94 DEC 94
TOTAL: 1,200	
	1337 NORE
218-712 AIRCRAFT EQUIPMENT 17,000 SF 2,600	1
MAINTENANCE SHOP	D 15
10. Mission or Major Functions: A fighter wing with three	
responsible for training all F-15 aircrews; Air Combat Comma	
Headquarters First Air Force, a weapons evaluation group, ar	
Air Defense Sector; the Air Force Civil Engineering Support	Agency; and an
Air National Guard air defense detachment (F-16 aircraft).	
11. Outstanding pollution and safety (OSH) deficiencies:	
Francis Francis francis ()	
a. Air pollution:	0
	0
a. Air pollution:	
a. Air pollution:b. Water pollution:	0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0
a. Air pollution:b. Water pollution:c. Occupational safety and health:	0 0

	7												
	1. COMPONENT		<u>-</u>								2.	DATE	
	ļ	F	Y 1996 MIL	ITARY C	ONSTRUC	CION	PR	OJECT	DAT	A			
_	AIR FORCE			(compute	er gener	cated	1)						
	3. INSTALLATI	ON AN	D LOCATION			4. P	PRO	JECT '	ritL:	E			
						l							
_	TYNDALL AIR F									ACILIT	Y		
	5. PROGRAM EL	EMENT	6. CATEGO	RY CODE	7. PROJ	JECT	NU	MBER	8. 1	PROJEC	T	COST (\$00	0)
													- 1
4	8.57.56		179-5			19530	01					1,200	
4				9. COST	ESTIMA	TES				,			
1										TINU	•	COST	
4			ITEM					QUANT	TITY	COSI	<u> </u>	(\$000)	
1	FIRE TRAINING					L	s.					90	0
I	SUPPORTING FA	CILITI	ES									17	0
I	UTILITIES					1-	S			1		(7	0)
I	PAVEMENTS					- 1-	s					(5	0)
ı	SITE IMPROV	EMENTS	3			L	s						일) [
l	SUBTOTAL											1,07	
l	CONTINGENCY (•						ŧ				5	- 1
1	TOTAL CONTRACT								Ì			1,12	- 1
l	SUPERVISION, TOTAL REQUEST	INSPEC	TION AND C	JVERHEAD	(6%)				1			6.	_
l	TOTAL REQUEST	(DOIN	man i						j			1,19	
l	TOTAL REQUEST	(ROOM)	(עפט									1,200	7
ļ									l				
ĺ													
									l		ļ		
l													
											- [

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since January 1992; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not meet Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support these requirements. The existing site is currently designated as an Installation Restoration Program (IRP) site and is undergoing remedial investigation funded by Defense Environmental Restoration Account (DERA).

1. COMPONENT	FY 1996 MILITARY CONSTR	UCTION PROJECT DATA	2. DATE
AIR FORCE	(computer ge	nerated)	
	ON AND LOCATION FORCE BASE, FLORIDA	\	
4. PROJECT TI	TLE	5. PRO	DJECT NUMBER
FIRE TRAINING	FACILITY	XL	WU953001

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

Page No

L. COMPONE	- <u>1</u>	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA
AIR FORCE	(computer generated)	
3. INSTALLA	TION AND LOCATION	
TYNDAT.T. ATF	FORCE BASE, FLORIDA	
. PROJECT		5. PROJECT NUMBER
IRE TRAIN	NG FACILITY	XLWU953001
2. SUPPLE	MENTAL DATA:	
a. Estin	ated Design Data:	
(1)	Status:	
` (a) Date Design Started	94 MAR 25
	b) Parametric Cost Estimates used to develop of	costs Y
	c) Percent Complete as of Jan 1995	100%
ĺ	d) Date 35% Designed.	94 JUN 17
(e) Date Design Complete	94 DEC 30
(2)	Basis:	
	a) Standard or Definitive Design -	YES
-	b) Where Design Was Most Recently Used -	MOODY
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a) Production of Plans and Specifications	49
(o) All Other Design Costs	25
(c) Total	74
(d) Contract	49
(e) In-house	25
(4)	Construction Start	96 JAN
	nt associated with this project will be provide priations: N/A	ed from

1										
1. COMPONENT	1004						2.	DA'	ΓE	
AIR FORCE	1996 MILI				PROG:	RAM				
3. INSTALLATION AND L	(COI	mputer	·							
INDIADDATION AND D	CATION		14. C	DMMAND)	•	5.		EA CO	
MOODY AIR FORCE BASE,	GEORGIA		NTD (30VD3#			- 1		ST IN	DEX
6. PERSONNEL	PERMAN	VENT		COMBAT					85	
STRENGTH	OFF ENL	CIV	OFF	TUDENT ENL			PORTED			
a. As of 30 SEP 94	376 3199		OFF	ENT	CIV			CIV	TOT	
b. End FY 2000	396 3206					1 1	11	33		079
		/ENTORY	DATA	(\$000	\	1	11	33	4,	003
a. Total Acreage: (DIVIDICI	Dilli	(\$000	<i></i>					
b. Inventory Total As		SEP 941					12	1,83	-	
c. Authorization Not								1,63 1,48		
d. Authorization Reque			ram:					2,89		l
e. Authorization Inclu	ded In Fol	lowing	Progr	am:	/FY 1	.997)		2,09 3,30		
f. Planned In Next Fou	r Program	Years:	3-		,	,		1,85		- 1
g. Remaining Deficienc								2,81		
h. Grand Total:								4,16		
8. PROJECTS REQUESTED	IN THIS PR	OGRAM:	FY 1	996				*,10		-
CATEGORY						COST	DEST	[GN	STATU	ıs l
<u>CODE</u> <u>PROJE</u>	CT TITLE		s	COPE		(\$000)			CMF	- 1
			_							-
141-232 C-130 AERIAL			2	4,000	SF	4,600	AUG	94	SEP	95
141-753 C-130 SQUADRO				0,000	SF	3,200	AUG	94	SEP	
AIRCRAFT MAI		NIT FAC	:							
149-962 CONTROL TOWER				1	EA	2,700	JAN	94	OCT	95
211-159 C-130 AIRCRAF	T WASHRACK		3	2,100	SF	1,700	SEP	93	FEB	95
FACILITY										
871-183 UPGRADE STORM	DRAINAGE	SYSTEM			LS _	690		94	OCT	95
9a. Future Projects:				TOTAL:	:	12,890				
9a. Future Projects: 111-111 REPAIR AND EX	Included	in the	Follo							
831-155 INDUSTRIAL WA		ĭ				12,300				
PRETREATMENT		c			LS	1,000				
	PACILITIE.	5		TOTAL:	_	12 200				
9b. Future Projects:	Typical P	lanned 1	Next 1	FOTAT:	0275	13,300 •				\rightarrow
610-129 WEAPONS SYSTE	MS MAINT MO	GT FAC		5,000		: 4,000				
721-312 ALTER DORMITO		I NO		156		2,300				
722-351 DINING FACILI			11	0,000		1,500				
740-675 RECREATION LI				3,000		1,050				
880-211 FIRE PROTECTION				3,423		3,000				
10. Mission or Major 1		A com				h two				\dashv
squadrons, an A/OA-10	squadron, a	and a C-	-130 s	squadr	on.		- 10			
11. Outstanding pollut	ion and sa	afety (OSH) c	efici	encie	es:				\dashv
		- `	,							
a. Air pollution:							3.	000		
b. Water pollution								190		
c. Occupational s	safety and	health:	:				•	0		- }
d. Other Environm	ental:							0		

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION C-130 AERIAL DELIVERY FACILITY MOODY AIR FORCE BASE, GEORGIA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 4,600 HTAC943050 141-232 2.72.31 9. COST ESTIMATES COST UNIT COST (\$000) U/M QUANTITY ITEM 3,120 130 24,000 C-130 AERIAL DELIVERY FACILITY 990 SUPPORTING FACILITIES (200) LS UTILITIES (200) LS SITE IMPROVEMENTS (300) LS **PAVEMENTS** 290) LS FIRE PROTECTION SYSTEM 4,110 SUBTOTAL 206 CONTINGENCY (5%) 4,316 TOTAL CONTRACT COST

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, pre-engineered metal building structure with prefinished metal walls, standing seam metal roof, fire suppression system, monorail and hoist utilities, and other necessary support as required to provide a complete and usable facility. Area includes one large work bay with general purpose maintenance and support areas attached. Air Conditioning: 50 Tons.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

11. REQUIREMENT: 24,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a C-130 aerial delivery facility. (New Mission) REQUIREMENT: An adequate fully covered facility is required for parachute packing, maintenance, rigging, and buildup of 10,000 pound pallets used for low altitude aircraft parachute extraction system delivery. Area includes one large work bay with general purpose maintenance and support areas attached. Facility requirement includes classrooms, maintenance support, and storage space. The aircraft pallets which are prepared in this facility are used by C-130 cargo aircraft for aerial delivery of

military supplies and equipment in direct support of training and contingency missions. This requirement supports beddown of the composite wing. CURRENT SITUATION: Prior to beddown of C-130 aircraft and the new

composite wing, the base had only fighter aircraft as its mission. There is no aerial delivery facility, large aircraft maintenance hangar, or any other facilities at the installation which can be used to adequately meet this requirement. This work is currently accomplished using a hangar facility that is not fully enclosed, improperly configured, and not large enough to accommodate aerial delivery requirements. Operations cannot be accomplished efficiently and professionally, and equipment is constantly

259

4,575

4,600

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DA	ATE
AIR FORCE	(computer generated)		
	ON AND LOCATION RCE BASE, GEORGIA		
4. PROJECT T		JECT	NUMBER

HTAC943050

exposed to outdoor weather conditions which degrade the reliability and life of the equipment.

C-130 AERIAL DELIVERY FACILITY

IMPACT IF NOT PROVIDED: Required work associated with the rigging of supplies for air drops or extractions and other related functions will not be performed within a protected environment. Mission training and operational capability of the C-130 squadron will be seriously impacted and may not be able to operate as required.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/remove, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

Page No

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)	i	
3. INSTALLATI	ON AND LOCATION		
MOODY AIR FOR	RCE BASE, GEORGIA		
4. PROJECT T	TLE	5. PRC	JECT NUMBER
C-130 AERIAL	DELIVERY FACILITY	HTA	C943050
12. SUPPLEME	ENTAL DATA:		
a. Estimat	ed Design Data:		
(1) St	atus:		
	Date Design Started		94 AUG 01
(þ)	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995		30%
(d)	Date 35% Designed.		95 MAR 01
(e)	Date Design Complete		95 SEP 30
(2) Ba	sis:		
(a)	Standard or Definitive Design -		NO
(p)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		276
(b)	All Other Design Costs		92
(c)	Total		368
(d)	Contract		280
(e)	In-house		88
(4) Co	nstruction Start		96 JAN
. Equipment	associated with this project will be provide	.a. 6	
= =	iations: N/A	tu llom	

other appropriations: N/A

1. COMPONENT							-			2	. DATE
İ	F	19	96 MILITA	ARY C	CRNC	ruci	NOI	PROJECT	DA!	ra	
AIR FORCE											
3. INSTALLATI	ON AND	LO	CATION				4. 1	PROJECT	TIT	Œ	
							C-13	30 SQUAD	RON	OPERATI	ONS/
MOODY AIR FOR							AIR	CRAFT MA	INT	ENANCE U	NIT FAC
5. PROGRAM EL	EMENT	6.	CATEGORY	CODE	7.	PROJ	ECT	NUMBER	8.	PROJECT	COST(\$000
2.72.31			141-753			HTAC	9430	042			3,200
***			9.	cos	r Es	TIMA	TES				
										UNIT	COST

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
C-130 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	24,000		2,400
SQUADRON OPERATIONS FACILITY	SF	14,000	100	(1,400)
AIRCRAFT MAINTENANCE UNIT FACILITY	SF	10,000	100	(1,000)
SUPPORTING FACILITIES				470
UTILITIES	LS			(145)
SITE IMPROVEMENTS	LS	٠		(110)
PAVEMENTS	LS			(125)
SECURE ROOMS (CLASSIFIED STORAGE)	SF	1,500	60	(90)
SUBTOTAL				2,870
CONTINGENCY (5%)	1			144
TOTAL CONTRACT COST		İ		3,014
SUPERVISION, INSPECTION AND OVERHEAD (6%)	į į	ļ	ļ	181
TOTAL REQUEST				3,195
TOTAL REQUEST (ROUNDED)				3,200
		į		•
		į		

10. Description of Proposed Construction: All materials and labor required to construct facilities of steel, split faced masonry, reinforced concrete and all utilities, fire suppression systems, and all necessary support. Also construct a classified materials storage and review area within the operations facility.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 60,000 SF ADEQUATE: 36,000 SF SUBSTANDARD: 0
PROJECT: Construct a Squadron Operations/ Aircraft Maintenance Unit facility (Sq Ops/AMU). (New Mission)

REQUIREMENT: A combined functions facility is required to provide both an adequate squadron operations space for planning, briefing, administration, support, and critique of combat air crews for C-130 aircraft, and adequate logistics space for a C-130 AMU to include equipment storage, tool kit storage, tool crib, bench stock, and offices. This action supports the beddown of the Composite Wing at Moody AFB. The C-130's squadron began arriving during the third quarter of FY 94 and the squadron is now at full strength.

CURRENT SITUATION: Space does not exist to house an additional squadron operations and AMU for a C-130 aircraft squadron. The current force structure is three F-16 squadrons. The projected Composite Wing force structure is four squadrons (two F-16, one A/OA-10, and one C-130). The base currently has facilities for only 3 squadrons. The C-130 squadron, which is already at Moody, is using a fighter hangar for its squadron operations facility. However, this facility does not provide the necessary room, equipment, or support to properly conduct mission planning and briefings. It also does not provide adequate space for logistics/maintenance functions.

-	1. COMPONENT		2.	DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
	AIR FORCE	(computer generated)	<u> </u>	
		ION AND LOCATION		

MOODY AIR FORCE BASE, GEORGIA

4. PROJECT TITLE

5. PROJECT NUMBER

C-130 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

HTAC943042

IMPACT IF NOT PROVIDED: Adequate facilities will not be available to perform essential squadron operations and logistics functions, forcing additional work arounds that will degrade the mission performance of the C-130 squadron and reduce their mission capability. Squadron personnel will continue to perform mission functions in an aircraft maintenance hangar, degrading the existing C-130 mission and limiting maintenance functions for other aircraft in the hangar.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

. COMPONE	ENT			2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A	
IR FORCE		(computer generated)		
. INSTALI	ATIC	ON AND LOCATION		
(00DV 3.TD	FOR	TR PAGE GRODGEN		
. PROJECT		CE BASE, GEORGIA	5. PR	OJECT NUMBER
-130 SQUA	DRON	OPERATIONS / AIRCRAFT MAINTENANCE UNIT FAC	HT	AC943042
2. SUPPL	PMPN	IMAT DAMA.		
Z. SUPPL	EMEN	NTAL DATA:		
a. Esti	.mate	ed Design Data:		
493	0 + -	A		
(1)		atus: Date Design Started		94 AUG 01
		Parametric Cost Estimates used to develop c	nete	94 AUG UI Y
		Percent Complete as of Jan 1995	OSCS	35%
		Date 35% Designed.		95 JAN 01
		Date Design Complete		95 SEP 01
(2)	Bas	sie.		
(-)		Standard or Definitive Design -		YES
		Where Design Was Most Recently Used -		LITTLE R
(3)	Tot	(a) Cost (a) = (a) + (b) on (d) + (a)		
(3)		<pre>cal Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications</pre>		(\$000)
	(b)			192
		Total		64
		Contract		256 200
		In-house		56
(4)		at water a grant		
(4)	Con	struction Start		96 JAN
		associated with this project will be provide	d from	n
tner appr	opri	ations: N/A		

 $\overline{1}50$

•	1. COMPONENT										2.	DATE		٦
		F	Y 1996 MILITAF	RY CO	ONSTRUCT	LION	PR	OJECT	DAT	A				
	AIR FORCE (computer generated)													
	3. INSTALLATION	n Ani	LOCATION			4.	PRO	JECT '	TITL	E				1
														1
	MOODY AIR FORCE					_		L TOW			-			1
	5. PROGRAM ELE	MENT	6. CATEGORY C	ODE	7. PROJ	JECI	וטא י	MBER	8. 1	PROJEC	T (COST (\$000)	1
	:													
	3.51.14		149-962		QSEU							2,70	0	1
-			9.	cos	r estima	TES	3			r		,		1
										TINU	•	CO	ST	l
-			ITEM					QUAN:	rity	COST	<u>'</u>	(\$0	00)	1
	CONTROL TOWER						LS					2	,177	
	CONTROL TOWER	R				- 1	LS					(2	,066)	
	ELEVATOR						LS					(111)	l
	SUPPORTING FAC:	ILITI	ES										515	
	UTILITIES					- 1	LS					(265)	1
	PAVEMENTS				•		LS					(20)	l
	SITE IMPROVE					- 1	LS	٠				(20)	l
i	SPECIAL FOUNI		N			- 1	LS					(55)	
	AIRFIELD WIR	ING					LS					(95)	
	DEMOLITION					- 1	EA		1	60,0	00	(_	<u>60</u>)	
-	SUBTOTAL						ĺ						, 692	۱
	TOTAL CONTRACT COST												,692	l
l	TOTAL REQUEST					1	ı						, 692	ı
	TOTAL REQUEST (ROUNDED)											2,	,700	
						-	. [- 1					

10. Description of Proposed Construction: Reinforced concrete footings, special foundations, floor slab, supporting superstructure, control tower cab, operations and training areas. Facility includes all site work, utilities, mechanical, electrical, fire protection, backup power systems and an elevator. Existing tower will be demolished.

Air Conditioning: 20 Tons.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA PROJECT: Construct a control tower. (Current Mission)

REQUIREMENT: This is a Level 1 Commanders' Facility Assessment requirement. Construct an air traffic control tower (86 feet high) with a 540 square foot cab to accommodate 7-9 air traffic control personnel, with air traffic control equipment, crew briefings, operations, and training functions. The existing tower will be demolished, the site will be cleared, and the new tower will be sited so as to provide full coverage of the airfield.

CURRENT SITUATION: The existing control tower was constructed in 1955. The tower cab, which has an area of only 225 square feet, was originally configured to accommodate three controllers and the standard complement of 1950s vintage equipment. Since then, both the mission of the base and the characteristics of the aircraft supported have changed. As a result, more air traffic controllers and more equipment is needed to cover present day air operations. The control tower work center has 21 controllers and 1 safety officer assigned to provide staffing on a seven-days-a-week, 24-hours-a-day basis. Also, this project, in providing a new facility which is appropriately sized and sited, will: enable the controllers to function more efficiently; improve safety of operations for personnel and aircraft; accommodate the numerous changes that have been made over the

1. COMPONENT		2. DATE								
1	FY 1996 MILITARY CONSTRUCTION PROJECT DATA									
AIR FORCE	(computer generated)									
3. INSTALLAT	ION AND LOCATION									
MOODY AIR FO	MOODY AIR FORCE BASE, GEORGIA									
4. PROJECT T	ITLE 5. I	PROJECT NUMBER								
CONTROL TOWER		26211000000								

years in airport configuration and air traffic patterns; and escape the visual obstructions which interfere with operations at the old, existing facility. Air traffic control operations at Moody number 62,000 landings and takeoffs annually.

IMPACT IF NOT PROVIDED: The base will continue using a substandard and outdated control tower facility. Overcrowded cab conditions will remain a serious problem that limits air traffic controller mobility, prevents functional and efficient operational procedures, and degrades controller communications with pilots. These conditions, coupled with the additional effort required to safely control multiple aircraft, create conditions that jeopardize pilot safety and may cause loss of personnel and aircraft. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". The scope for this project was established in accordance with the Air Force Design Guide for Air Traffic Control Towers. Upon completion of this project, the existing tower will be demolished. A preliminary analysis of reasonable options for accomplishing this project (status quo, modify the existing tower, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Status quo and tower modification would not eliminate all operational deficiencies. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT		———Т	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	1	Z. DAIL
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
	CE BASE, GEORGIA		
4. PROJECT TI	TLE	5. PRO	JECT NUMBER
CONTROL TOWER		OSE	U909999
12. SUPPLEME	NTAL DATA:		
a. Estimate	ed Design Data:		
(1) St	atus:		
(a)	Date Design Started		94 JAN 25
	Parametric Cost Estimates used to develop of	costs	Y
(c)	Percent Complete as of Jan 1995		35%
(d)	Date 35% Designed.		94 OCT 15
(e)	Date Design Complete		95 OCT 15
(2) Bas	sis:		
(a)	Standard or Definitive Design -		YES
	Where Design Was Most Recently Used -		SHAW
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a)	Production of Plans and Specifications		150
	All Other Design Costs		74
(c)	Total		224
(d)	Contract		199
(e)	In-house		25
(4) Con	struction Start		95 DEC
o. Equipment	associated with this project will be provide		
other appropri	ations: N/A	a rrom	

other appropriations: N/A

1. COMPONENT		2. DATE					
	FY 1996 MILITARY CONSTRUC	TION PROJECT DATA					
AIR FORCE	(computer gene	rated)					
3. INSTALLATIO	N AND LOCATION	4. PROJECT TITLE					
		C-130 AIRCRAFT WASHRACK					
MOODY AIR FORC	E BASE, GEORGIA	FACILITY					
5. PROGRAM ELE	MENT 6. CATEGORY CODE 7. PRO	JECT NUMBER 8. PROJECT COST(\$000)					
2.72.31	211-159 HTA	C943040 1,700					
9. COST ESTIMATES							

), 0001 <u>2011</u> 121				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
C-130 AIRCRAFT WASHRACK FACILITY	SF	26,000	41	1,066
SUPPORTING FACILITIES				460
UTILITIES	LS			(175)
SITE IMPROVEMENTS	LS			(140)
PAVEMENTS	LS			(<u>145</u>)
SUBTOTAL				1,526
CONTINGENCY (5%)		, t		76
TOTAL CONTRACT COST				1,602
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u>96</u>
TOTAL REQUEST				1,698
TOTAL REQUEST (ROUNDED)				1,700
	}			
	!			
				ľ

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab, structural steel frame with insulated sheet metal walls and insulated roof system. Building to provide capability for aircraft washing with drainage tied into pollution control system. Includes support space, utilities, access apron and other necessary work as required.

Air Conditioning: 10 Tons.

REQUIREMENT: 26,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a C-130 aircraft washrack facility. (New Mission) REQUIREMENT: An adequate facility, properly sized and configured is needed for the recurring requirement to wash and clean C-130 aircraft. Effective washing (corrosion control) requires chemical agents for proper cleaning to remove built-up salts, oils, dirt and other corrosive type materials that will deteriorate the aircraft. This facility will be utilized solely to clean aircraft. Sanding aircraft in preparation for painting and repainting activities will not be performed in this facility. CURRENT SITUATION: The existing washrack facility cannot physically accommodate the new mission aircraft being assigned to the base. Environmental constraints prevent the new aircraft from being washed on the existing apron as a permanent solution for this requirement. Existing hangars throughout the flightline area are used for essential aircraft maintenance and are not available for use in meeting this requirement. In addition, there is no hangar on the base that can physically accommodate the C-130 aircraft. The workarounds for the temporary washrack include providing minimal capability to capture oils and solvents in a closed loop oil/water separator. A water supply line is being installed to provide interim capability to wash C-130's on the aircraft parking apron.

1. COMPONENT		12	2. DAT	ΓE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra		
AIR FORCE	(computer generated)			
	ON AND LOCATION			
	RCE BASE, GEORGIA			
4. PROJECT TI	TLE	5. PROJ	ECT N	IUMBER
C-130 ATRCRAR	T WASHRACK FACILITY	אידאַר	94304	10

Aircraft washing activities will be hampered because outdoor washing of the aircraft in the heat and sun tends to dry the cleaning agents quicker than the aircraft can be rinsed causing extra water and time for a cleaning operation. The temporary washrack will also not be provided with a heated water system thus reducing the efficiency of the washing operation. Personnel must perform the cleaning year round while exposed to extremes of heat and cold temperatures.

IMPACT IF NOT PROVIDED: New C-130 aircraft and support equipment will not receive adequate cleaning to ensure corrosion prevention at Moody AFB. This will subject aircraft and equipment to shorter lifespans because corrosion maintenance requirements can not be met at the base. It is not practical or cost effective to have this work accomplished at other installations.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

	ORCE		(computer generated) ON AND LOCATION		
• TIV	O I ML	nw1.1(N AND LOCATION		
			CE BASE, GEORGIA		
. PRO	OJEC'	r TII	CLE [5	PROJECT	NUMBER
-130	AIR	CRAFI	WASHRACK FACILITY	HTAC943	040
2. s	SUPP	LEMEN	NTAL DATA:		
a.	Est	imate	ed Design Data:		
	/11	C+:	atus:		
	(+)		Date Design Started	0.2	CED O1
			Parametric Cost Estimates used to develop co		SEP 01
			Percent Complete as of Jan 1995)alb	Y
			Date 35% Designed.	وع	90% SEP 30
			Date Design Complete		FEB 15
		(-)	but bellg. Complete	75	tro 13
	(2)	Bas	sis:		
		(a)	Standard or Definitive Design -	NO	
		(p)	Where Design Was Most Recently Used -	N,	'A
	(3)	Tot	al Cost $(c) = (a) + (b)$ or $(d) + (e)$:		(\$000
			Production of Plans and Specifications		71
		(b)	All Other Design Costs		45
			Total		116
		(d)	Contract		70
		(e)	In-house		46
	(4)	Con	struction Start		96 JAN
F)					
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq her	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	
Eq	uipm appr	ent opri	associated with this project will be provided ations: N/A	from	

,												
1. COMPONENT										2. DA	TE.	
	FY	1996 1		ARY CO			PROG	RAM				
AIR FORCE				puter (
3. INSTALLATI	3. INSTALLATION AND LOCATION					DMMAND				5. ARI		
ROBINS AIR FORCE BASE, GEORGIA				FORCE	01/1/B I	NTD.		COST INDEX				
	RCE BASE	7				RIEL C			PORT		.95	
6. PERSONNEL STRENGTH	-			CIV		UDENT:	civ		ENI		TOT	ът
a. As of 30 S	- D 04			11119		ENL	CIV	16		10 497		
b. End FY 200		1 1		8805				16		0 497		
D. ENG FI 200		<u> </u>		ENTORY		(5000		1 10		10 437	1 1.	110
a. Total Acre	200: (SINTORI	Dilli	1,000	<i></i>					•
b. Inventory				EP 941						542,30	าจ	
c. Authorizat										95,25		
d. Authorizat					ram:					6,90		
e. Authorizat						am:	(FY 1	19971				
f. Planned In							,	,		60,75		
g. Remaining		_	, •							105,00		
h. Grand Tota		- 1 -		•						836,05		
8. PROJECTS R		IN THI	S PRO	GRAM:	FY 1	996						
CATEGORY	-							COST	D	ESIGN	STATU	JS
CODE	PROJE	CT TI	CLE		5	COPE		(\$000) –	START	CMF	PL
									_		`	
211-179 JSTA	RS AIRCRA	AFT FUE	EL SYS	STEM	3	5,000	SF	6,90	0 J	UN 94	NOV	95
MAI	NTENANCE	DOCK					_		_			
						TOTAL:		6,90				
•	rojects:				Follo	wing F				97)		
113-321 JSTA				RON/			LS	7,10	IJ			
	RANT FUEL				_			0.10	_			
141-753 JSTA	-			· · · · · · · · · · · · · · · · · · ·		2,000	SF	9,10	J			
	CRAFT MAI					6,000	C F	1,65	1			
211-111 JSTA	RS AIRCRA GAR ASSOC					0,000	or	1,65	J			
722-351 JSTA					<u>.</u>	8,800	32	4,45	n			
	RS ADD 10 ILITY	א מאט א	TITER	D T 14 T 14 G	,	0,000	J.	7,70	_			
740-884 JSTA		DEVELO	PMENT	n	2	0,500	SF	3,550	0			
CEN CEN		DEVEL		•	_	0,000	٠.	5,55	-			
CEN						TOTAL:	-	25,85	5			
9b. Future P	roiects:	Typic	al Pl	anned					-			-
	ARS MAINT					5,000		5,650	0			
	GRATED AI					0,000		16,50				
	NTENANCE					-						
211-154 DEPO	T PLANT S	ERVICE	S COM	IPLEX	8	7,600	SF	7,90	o			
	R DEPOT C						LS	1,80	o c			
FAC	ILITY											
610-127 ADD '	TO AND AL	TER BA	SE EN	GINEER	2	9,500	SF	3,45	C			
	PLEX											
10. Mission	or Major	Functi	ons:	Warne	r Rob	ins Ai	r Lo	gisti	cs C	enter	which	1
is responsible for logistics management, support, & depot-level												

^{10.} Mission or Major Functions: Warner Robins Air Logistics Center which is responsible for logistics management, support, & depot-level maintenance of F-15, C-130, & C-141 aircraft, helicopters, and avionics and electronic warfare systems; HQ AFRES; an air base wing; an AMC air refueliing wing with two KC-135 squadrons; an ACC combat communications group; an Air National Guard bomb wing with B-1 aircraft has been announced; and will be the main operating base for the Joint Surveillance and Target Attack Radar System (JSTARS) aircraft.

1. COMPONENT										2. DA	ΓE	
	FY	1996		ARY CO			PROGE	MAS				
AIR FORCE				outer o								
3. INSTALLAT	ON AND LO	CATIO	ON			DNAMMO				5. AREA CONST		
AIR FORCE							COST INDEX					
ROBINS AIR FO	RCE BASE,	CE BASE, GEORGIA MATERIEL COMMAND				72020	0.95					
6. PERSONNEL	_		PERMANI							TOTAL		
STRENGTH	-	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	. CIV	TOTAL	
a. As of												
b. End FY			 	2202	(6000	<u> </u>						
			/. INV	ENTORY	DAIA	(3000	<u> </u>					
a. Total Acre	eage:	Of.										
b. Inventoryc. Authorizat	Total As	OL:	n Thua	ntory.								
d. Authorizat	tion Regue	seted	In Th	is Pro	gram:							
e. Authorizat	tion Incli	ided :	In Fol	lowing	Proqu	cam:						
f. Planned I	Next Fo	ır Pro	ogram	Years:		;						
g. Remaining												
h Grand Tota	al:											
11. Outstan	ding poll	ution	and s	afety	(OSH)	defic	ienc	ies:				
											_	
	pollution									6,00		
b. Wate	er pollut	ion:	_		_						0 0	
c. Occ	upational	safe	ty and	healt	h:					1,80	_	
d. Oth	er Enviro	nment	al:							1,60	U	

1. COMPONENT	FY 1996 MILITARY C	ONSTRUCTION PROJECT	2. DATE
AIR FORCE		er generated)	
3. INSTALLATION ROBINS AIR FORCE	BASE, GEORGIA	MAINTENANCE	RAFT FUEL SYSTEM DOCK
5. PROGRAM ELEME	NT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
6.47.70 TIAR	A 211-179	UHHZ963010	6,900

9. COST ESTIMA	TES			
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK SUPPORTING FACILITIES UTILITIES FIRE PROTECTION SYSTEM PAVEMENTS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6%) TOTAL REQUEST TOTAL REQUEST (ROUNDED)	LS LS LS	35,000	135	

- 10. Description of Proposed Construction: Concrete foundation and floor slab, structural steel, steel siding, and built-up roof. Includes approach pavements, fire protection system, mechanical ventilation, and fume sensing and alarm system. The project includes all required utilities and site work.
- REQUIREMENT: 50,180 SF ADEQUATE: 15,180 SF SUBSTANDARD: PROJECT: Construct an aircraft fuel systems maintenance dock to support the Joint Surveillance Target Attack Radar System (JSTARS). (New Mission) REQUIREMENT: A permanent facility of adequate size and configuration is required to provide all-weather maintenance capability for fuel systems and fuel system components of the JSTARS aircraft. This project is critical to the beddown of Joint STARS, which is an Air Force/Army program for real-time detection, tracking, and attack of moving and stationary ground targets. The system will consist of an airborne segment on board E-8C configured aircraft and a mobile ground communication segment. CURRENT SITUATION: There are no fuel system maintenance dock facilities large enough to support JSTARS aircraft at Robins AFB. All existing facilities are fully utilized by currently assigned aircraft at the base. IMPACT IF NOT PROVIDED: The base will not be able to adequately support the beddown of JSTARS aircraft. There will be no facility available to properly conduct fuel systems maintenance on new mission aircraft. Failure to maintain each aircraft in a safe and ready state will adversely affect the combat mission capability of the Air Force, Army, and Allied battle units.

	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE							
	AIR FORCE (computer generated)	118							
-	3. INSTALLATION AND LOCATION								
	ROBINS AIR FORCE BASE, GEORGIA								
-	4. PROJECT TITLE	5. PROJECT NUMBER							
	JSTARS AIRCRAFT FUEL SYSTEM MAINTENANCE DOCK	UHHZ963010							

86-2, "Standard Facility Requirements." All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

			1	2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE		(computer generated)		
3. INSTAL	LATIC	ON AND LOCATION		
		RCE BASE, GEORGIA		
4. PROJEC	T TII	PLE	5. PRC	JECT NUMBE
TCMARC AT				
JSTARS AL	RCRAF	T FUEL SYSTEM MAINTENANCE DOCK	UHH	12963010
12. SUPP	T TOMEN	TAL DATA:		
iz. SUPP	reue!	ATAL DATA:		
a Fet	imato	ed Design Data:		
u. DSC.	Linace	d besign baca.		
(1)	Sta	itus:		
,-,		Date Design Started		94 JUN 10
		Parametric Cost Estimates used to develop	costs	3. 00 1
		Percent Complete as of Jan 1995		359
		Date 35% Designed.		94 AUG 19
	(e)	Date Design Complete		95 NOV 30
(2)	Bas	is:		
(-)		Standard or Definitive Design -		NO
		Where Design Was Most Recently Used -		N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
. ,		Production of Plans and Specifications		360
		All Other Design Costs		20
		Total		380
	(d)	Contract		285
	(e)	In-house		95
(4)	Cons	struction Start		96 JAN

b. Equipment associated with this project will be provided from other appropriations: $\ensuremath{\text{N/A}}$

1. COMPONENT	FY 1996 MILITA	ABV CO	Jempije	יייד ראז יי	PROGE	мая	2	. DAT	CE	
AIR FORCE		outer o			ROGI	CH1				
3. INSTALLATION AN		Jucer (_	MMAND			- 5	ADE	ZA CONS	
3. INSTALLATION AN	ID LOCATION		4. 66	MIMMU				5. AREA CONST COST INDEX		
UTAYAY ATA MARAN	ACD UNGATT		PACIFIC AIR FORCES				İ	1.64		
HICKAM AIR FORCE E	PERMANE		STUDENTS SUPPORT			OPTE		. 04		
6. PERSONNEL		CIV	OFF		CIV	T		CIV	- TOTAL	
STRENGTH				ENL	CIV			225		
a. As of 30 SEP 94	3 1					32			•	
o. End FY 2000	680 2552				<u> </u>	32	232	225	5,54	
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acreage:							_			
o. Inventory Total								81,07		
c. Authorization N		_						22,80		
d. Authorization R								10,70		
e. Authorization I		-	Progr	am:	(FY	L997)		3,15	0	
f. Planned In Next	•	ears:						28,20		
g. Remaining Defic	ciency:							41,48		
h. Grand Total:							8	87,41	. 4	
B. PROJECTS REQUES	STED IN THIS PRO	OGRAM:	FY 1	.996						
CATEGORY						COST	DE	SIGN	STATUS	
CODE	PROJECT TITLE		5	COPE		(\$000)	S	TART	CMPL	
113-321 REPAIR AI	RFIELD PAVEMENT	rs	10	2,200	SY	4,550	MA	R 94	JUN 9	
721-312 ALTER DOF	RMITORY			36	PN	3,100	AP	R 93	DEC 9	
721-315 ALTER TRA	ANSIENT DORMITOR	RY		62	PN	3,050	DE	C 93	DEC 9	
				TOTAL	:	10,700				
9a. Future Projec	ts: Included i	in the	Follo	wing 1	Progi	cam (FY	199	7)		
721-315 ALTER TRA	ANSIENT DORMITOR	RY	2	5,100	SF	3,150				
				TOTAL	:	3,150				
9b. Future Projec	ts: Typical Pl	lanned	Next	Four '	Years	3:				
113-321 UPGRADE A	AIRFIELD APRON,	PH II	10	9,000	SY	10,600				
442-257 FLAMMABLE	STORAGE WAREHO	OUSE]	1,500	SF	1,200				
610-249 CONSOLIDA	ATED MOBILITY CH	ENTER		8,100	SF	1,400				
610-284 RENOV HQ	PACAF COMPLEX	PH V	4	7,000	SF	3,000				
721-312 ALTER UNA	ACCOMPANIED ENL	ISTED		352	PN	5,000				
DORMITOR		-				·				
10. Mission or Ma	jor Functions:	Head	quarte	ers Pa	cific	Air F	orce	s; ar	n Air	
National Guard Gro	_		-							
major activities i	nclude an Air 1	Intell.	igence	Agen	cy i	ntellig	ence	grou	up and	
an airlift support	group.			•	_	_		_	_	
	ollution and sa	afety	(OSH)	defic	ienc.	ies:				
		-								
a. Air pollu	ition:							(כ	
b. Water pol								(כ	
-	onal safety and	healt	h:					()	
d. Other Env	_							2,44	5	
2 2 2	 •									

1. COMPONENT			2. DATE
F:	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE		er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	TITLE
HICKAM AIR FORCE B		REPAIR AIRF	IELD PAVEMENTS
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.75.96P	113-321	KNMD963006	4,550
	9. cos	r estimates	

9. COST ESTIMAT	25			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPAIR AIRFIELD PAVEMENT	SY	102,200		4,088
APRON	SY	81,000	40	(3,240)
TAXIWAY	SY	21,200	40	(848)
SUBTOTAL				4,088
CONTINGENCY (5%)				204
TOTAL CONTRACT COST				4,292
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)		·		279
TOTAL REQUEST	1 1		İ	4,571
TOTAL REQUEST (ROUNDED)				4,550
		1		·
			İ	
		ĺ		
	1 1	i		
		ł		
		ļ		
	1			

10. Description of Proposed Construction: All work necessary to repair airfield pavements including but not limited to: remove and replace existing asphaltic concrete (AC) pavement and base course, cold plane AC pavement, apply prime coat and tack coat, place 2" AC pavement overlay, seal coat AC pavement, paint pavement striping, and all other necessary support.

11. REQUIREMENT: 1,342,200 SY ADEQUATE: 258,700 SY

SUBSTANDARD: 1,083,500 SY

PROJECT: Repair airfield pavements. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Adequate airfield aprons and taxiways in good condition are required for the safe operation of assigned and transient aircraft. The main apron must be able to accommodate wide body aircraft.

CURRENT SITUATION: The original airfield aprons were constructed in 1938 based on the prevailing wheel loads at that time. Piecemeal efforts to maintain, repair and reconstruct the pavements over the years have created a diverse pavement system, causing considerable maintenance and operational problems. The January 1993 Airfield Pavement Evaluation Report by the Air Force Civil Engineering Support Agency rated the apron parking areas fair to poor. It indicated that these areas have medium to high severity distresses and near-term maintenance, repair and reconstruction are required. The airfield pavement evaluation revealed that the existing apron is structurally inadequate for assigned and transient aircraft; and pavement failure has progressed to the point where deteriorating asphalt is a major source of foreign object damage (FOD) to aircraft.

IMPACT IF NOT PROVIDED: This project is urgent and its deferral will

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION HICKAM AIR FORCE BASE, HAWAII	
4. PROJECT TITLE REPAIR AIRFIELD PAVEMENTS	5. PROJECT NUMBER KNMD963006

deterioration will continue to a point where they can no longer safely support aircraft. Failure to repair these essential airfield pavements will prolong a dangerous situation that may lead to aircraft damage and prevent the base from accomplishing its mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, relocate, replace in kind, and repair) was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

result in further deterioration to the existing pavement causing continuous FOD problems to aircraft. The parking apron and taxiway

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)		
3. INSTALLATIO	ON AND LOCATION		
	200 D. CD 1111117		
	RCE BASE, HAWAII	le ==	
4. PROJECT TIT	TLE	5. PR	OJECT NUMBER
REPAIR AIRFIEI	LD PAVEMENTS	KN	MD963006
		· · · · · · · · · · · · · · · · · · ·	
12. SUPPLEMEN	NTAL DATA:		
a. Estimate	ed Design Data:		
(1) Sta	atus:		
` '	Date Design Started		94 MAR 25
• •	Parametric Cost Estimates used to develop of	costs	Y
	Percent Complete as of Jan 1995		35%
	Date 35% Designed.		94 NOV 29
	Date Design Complete		95 JUN 15
(2) Bas	is:		
• •	Standard or Definitive Design -		NO
• •	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
	Production of Plans and Specifications		270
	All Other Design Costs		170
(c)	Total		440
	Contract		
(e)	In-house		440
(4) Con	struction Start		96 JAN
. Equipment	associated with this project will be provide		

1. COMPONENT			2. DATE			
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA			
AIR FORCE	(comput	er generated)				
3. INSTALLATION A	ND LOCATION	4. PROJECT	TITLE			
·						
HICKAM AIR FORCE	BASE, HAWAII	ALTER DORMI	TORY			
5. PROGRAM ELEMEN	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
2.75.96P	721-312	KNMD933018R1	3,100			
	9. cos	T ESTIMATES				

9. COST ESTIMATE	٥			
			TINU	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
ALTER DORMITORY (36 PN)				2,509
DORMITORY	SF	25,600	96	(2,458)
AUTOMATIC SPRINKLER PROTECTION	SF	25,600	2	(51)
SUPPORTING FACILITIES '				145
UTILITIES	LS			(10)
COMMUNICATIONS SUPPORT	LS			(10)
SITE IMPROVEMENTS	LS			(25)
SOLAR APPLICATIONS .	LS			(<u>100</u>)
SUBTOTAL		:		2,654
CONTINGENCY (10%)		:		265
TOTAL CONTRACT COST				2,919
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				190
TOTAL REQUEST	}			3,109
TOTAL REQUEST (ROUNDED)				3,100
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(273)
	<u> </u>			

- 10. Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support.

 Air Conditioning: 85 Tons. Grade Mix: 36 E5-E6.
- 11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that promotes proper rest, relaxation, and personal well-being. Properly designed and furnished quarters which provide some degree of individual privacy are essential to successfully accomplish the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 36 personnel: 36 E5-E6, with a maximum utilization of 72 personnel.

<u>CURRENT SITUATION</u>: The facility to be altered was constructed in 1965 to standards in effect at that time. It has central latrines, no private entrances, insufficient noise attenuation for shift workers resting at various hours, and it lacks the necessary amenities found in modern dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to
degrade the morale, productivity and career satisfaction of the enlisted
force

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	j
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
HICKAM AIR FO	DRCE BASE, HAWAII	
4. PROJECT TI	TLE	. PROJECT NUMBER
ALTER DORMITC	DRY	KNMD933018R1

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT				To
1. COMPONENT	FY 1996 MIT.T	TARY CONSTRUCTION	משמים האים	2. DATE
AIR FORCE		computer generated		
	ON AND LOCATION	Joinpacor generace.	~ <i>)</i>	
HICKAM AIR FO	RCE BASE, HAWAII			
4. PROJECT TI	TLE		5. PI	ROJECT NUMBER
ALTER DORMITO	PRY		KI	NMD933018R1
12. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:	:		
(a)	•			93 APR 14
		t Estimates used t	to develop costs	Y
	_	te as of Jan 1995		35% 94 DEC 30
	(d) Date 35% Designed. (e) Date Design Complete			
(6)	Date Design Co	mbrere		95 DEC 22
(2) Ba	sis:			
(a)	Standard or De	finitive Design -		ИО
(p)	Where Design W	as Most Recently (Jsed -	N/A
(3) To		a) + (b) or (d) +		(\$000)
(a)		Plans and Specific	cations	160
	All Other Desi	gn Costs		114
	Total			274
	Contract In-house			0.7.4
(6)	III-IIOUSE			274
(4) Co	nstruction Start			96 MAR
		this project will	be provided fro	m
other appropr	racions:			
			FISCAL YEAR	
EQU	IPMENT	PROCURING	APPROPRIATED	COST
NOME	NCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
				• • • •
OORMITORY EQU	IPMENT	3080	1996	273

1. COMPONENT			2. DATE			
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA			
AIR FORCE	(compute	er generated)				
3. INSTALLATION AN	3. INSTALLATION AND LOCATION 4. PROJECT TITLE					
HICKAM AIR FORCE E	ASE, HAWAII	ALTER TRANS	IENT DORMITORY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
2.75.96P	721-315	KNMD933020	3,050			
	9. cos	T ESTIMATES				

9. COST ESTIMATE	<u> </u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER TRANSIENT DORMITORY (62 PN)				2,460
DORMITORY	SF	25,100	96	(2,410)
AUTOMATIC SPRINKLER PROTECTION	SF	25,100	2	(50)
SUPPORTING FACILITIES				160
UTILITIES	LS			(10)
COMMUNICATIONS SUPPORT	LS			(10)
SITE IMPROVEMENTS	LS	•		(20)
SOLAR APPLICATIONS	LS			(<u>120</u>)
SUBTOTAL				2,620
CONTINGENCY (10%)				262
TOTAL CONTRACT COST				2,882
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				187
TOTAL REQUEST				3,069
TOTAL REQUEST (ROUNDED)				3,050
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(310)

10. Description of Proposed Construction: Electrical, structural, architectural, and mechanical alterations. Convert dormitory from central latrine to room-bath-room configuration; includes exterior entrances, lounges, storage, fire protection, handicapped access to first floor common areas, landscaping, and all other necessary support.

Air Conditioning: 85 Tons. Grade Mix: 62 E5-E6.

11. REQUIREMENT: 1,471 PN ADEQUATE: 779 PN SUBSTANDARD: 254 PN PROJECT: Alter transient dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing that will be conducive to their proper rest, relaxation, and personal well-being. Properly designed and furnished quarters, which provide some degree of individual privacy, are essential to successfully accomplish the increasingly complicated and important jobs these people must perform.

CURRENT SITUATION: The facility to be altered was constructed in 1968 to standards in effect at that time. It has central latrines, no private entryways, insufficient noise attenuation for shift workers resting at various hours, and lacks the necessary amenities found in modern dormitories.

IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of the enlisted force.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	2. DATE
3. INSTALLAT	ION AND LOCATION	
HICKAM AIR FO	DRCE BASE, HAWAII	
4. PROJECT T	ITLE 5.	PROJECT NUMBER
ALTER TRANSIE	ENT DORMITORY	KNMD933020

present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT	7					
AIR FORCE	1. COMPONENT	4006				2. DATE
3. INSTALLATION AND LOCATION	1.75 50505				ra	
### HICKAM AIR FORCE BASE, HAWAII 4. PROJECT TITLE ALTER TRANSIENT DORMITORY 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (c) Total (d) Contract (e) In-house (4) Construction Start EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)			computer generate	α)	1	
### ALTER TRANSIENT DORMITORY 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 93 DEC 20 (b) Parametric Cost Estimates used to develop costs Y (c) Percent Complete as of Jan 1995 35% 40 Date 35% Designed. 94 DEC 30 (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design -	J. INSTALLATI	ON AND LOCATION				
### ALTER TRANSIENT DORMITORY 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 93 DEC 20 (b) Parametric Cost Estimates used to develop costs Y (c) Percent Complete as of Jan 1995 35% 40 Date 35% Designed. 94 DEC 30 (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design -	HICKAM AIR FO	DRCE BASE, HAWAII				
ALTER TRANSIENT DORMITORY 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (h) Equipment associated with this project will be provided from other appropriations: EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$5000)		<u> </u>	-		5. PRO	JECT NUMBER
12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Date Design Complete (g) Date Design Complete (h) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) In-house (g) In-house (h) Design Costs (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (h) Equipment associated with this project will be provided from other appropriations: EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$5000)						
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (s) All Other Design Costs (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) In-house (f) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (g) In-house (h) FISCAL YEAR (h) EQUIPMENT (h) PROCURING APPROPRIATED (h) COST (h) NOMENCLATURE (g) IN-HOUSE (g) IN-HO	ALTER TRANSIE	NT DORMITORY			KNM	D933020
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 311 (4) Construction Start FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$5000)	12. SUPPLEME	NTAL DATA:				
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 311 (4) Construction Start FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$5000)		,				İ
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (f) In-house (f) Construction Start (g) Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (5000)	a. Estimat	ed Design Data:				
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications 160 (b) All Other Design Costs (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$5000)	(1) St	atus:				
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 DEC 22 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications 160 (b) All Other Design Costs (c) Total (d) Contract (e) In-house 311 (4) Construction Start 96 MAR Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(a)	Date Design Sta	arted			93 DEC 20
(d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs (c) Total (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)					costs	Y
(e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs 151 (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1	_		•		35%
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs 151 (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1	_				
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs 151 (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(e)	Date Design Con	nplete			95 DEC 22
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs 151 (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(2) Ba	sis:				
(b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 160 (b) All Other Design Costs 151 (c) Total 311 (d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1		initive Design -			NO
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 MAR 57 Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)			-	Jsed -		
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 56 MAR 57 Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(3) To	tal Cost (c) = (a	1) + (b) or (d) +	(e):		(\$000)
(b) All Other Design Costs (c) Total (d) Contract (e) In-house 311 (4) Construction Start 56 MAR 57 MAR 58 Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1			• •		
(d) Contract (e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1		-			
(e) In-house 311 (4) Construction Start 96 MAR b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	1 ' '					311
(4) Construction Start b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)			•			
b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(e)	In-house				311
b. Equipment associated with this project will be provided from other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	(4) Co	nstruction Start				96 MAR
other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)						
other appropriations: FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)						
FISCAL YEAR EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	I I		this project will	be provide	d from	
EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	otner appropri	lations:				
EQUIPMENT PROCURING APPROPRIATED COST NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)				FISCAL Y	EAR	ļ
NOMENCLATURE APPROPRIATION OR REQUESTED (\$000)	EQUI	PMENT	PROCURING			COST
						ľ
DORMITORY EQUIPMENT 3080 1996 310						
	DORMITORY EQUI	PMENT	3080	1996		310
						İ
i e e e e e e e e e e e e e e e e e e e						

1. COMPONENT								2. DA	ΓE	
AIR FORCE	FY 1996 MILIT.				PROGI	RAM				
		puter (- NO		1101
3. INSTALLATION AN	D LOCATION		4. 00	DNAMMO				5. ARI		
									ST IN	DE.
MOUNTAIN HOME AIR			1	COMBAT					. 15	
6. PERSONNEL	PERMAN			UDENT			PORT		L	
STRENGTH	OFF ENL			ENL	CIV	OFF	ENL		TOT.	AL
a. As of 30 SEP 94	350 2824	496				2	1	6 49	3,	73
b. End FY 2000	411 3308	390			İ	2	1	6 49	4,	170
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acreage:	(13,607)									
b. Inventory Total	As Of: (30 S)	EP 94)					:	205,33	33	
c. Authorization N		-						15,95		
d. Authorization R		_	ram:					18,65		
e. Authorization I	=		-	-am•	/FV 1	9971		8,00		
f. Planned In Next		_	11091	· Carii •	(11 2	.,,,		5,00		
g. Remaining Defic	-	rears.						53,33	-	
•	rency:			c					•	
h. Grand Total:	TOD THE MUTC DD	00001	TV 1					301,76	3	
B. PROJECTS REQUES	TED IN THIS PRO	OGRAM:	FY.	.996		G0.05	_			
CATEGORY						COST		ESIGN		
<u>CODE</u> <u>P</u>	ROJECT TITLE		<u> </u>	COPE		(\$000) !	START	CM	PL.
179-481 IDAHO TRA	INING RANGE				LS	8.00	Ω <u>Δ</u> 1	PR 94	SED	a
(NORTH S					20	0,00	•		951	
· ·	R TREATMENT ANI	n			LS	9 85	Λ a l	PR 94	AHC	a
DISPOSAL					23	7,03	O A	. K 74	HUG	٠,
B71-183 UPGRADE S'		CVCTEM			LS	80	0 A1	PR 94	NIIC	01
371-183 UFGRADE 3	TORT DRAINAGE	JIJIEM		TOTAL	_	18,65	_	FR 94	AUG	J.
Pa. Future Project	ts: Included :	in the	Follo					071		
130-142 FLIGHTLIN				-	_	-		<i>7</i>		
			-	4,800		•				
	INING RANGE				LS	3,00	U			
(SOUTH S	LTE)				_		_			
				TOTAL		8,00	0			
-	ts: Typical P.	lanned	Next				_			
721-312 UPGRADE DO				106		50				
lO. Mission or Ma	=		_		-					
one F-15E squadron		_			-	_				
out on indefinite				_	_	_				
geographically sepa	arated unit (G	SU) wit	th B-1	.B air	craft	at E	llsw	orth A	AFB,	
SD (transfer to Mo	intain Home AFI	B at a	time	to be	dete	ermine	d).			
ll. Outstanding po	ollution and sa	afety	(OSH)	defic	ienci	es:				
a. Air pollu	tion:							3,000)	
b. Water pol:	lution:							11,990)	
_	nal safety and	healti	n:)	
-	ironmental:)	
G. Other Bilv.	OTHICHICAL.							`	•	

1. COMPONENT										2.	DATE
į į	FY 1996 MILITARY CONSTRUCTION PROJECT DATA										
AIR FORCE (computer generated)											
3. INSTALLATI	3. INSTALLATION AND LOCATION 4. PROJECT TITLE								E		
	IDAHO TRAINING RANGE								RANGE		ĺ
MOUNTAIN HOME AIR FORCE BASE, IDAHO (NORTH SITE)											
5. PROGRAM EI	EMENT	6. CATEGORY CO	DDE	7. PROS	JECT N	W	MBER	8.	PROJEC	T (COST(\$000)
											i
2.75.97		179-481		QYZI	196301	4				<u> </u>	8,000
		9. 0	cosi	ESTIMA	TES						
									LIND	•	COST
		ITEM			U/	M	QUANT	YTI	COSI	•	(\$000)
IDAHO TRAININ	G RANG	GE (NORTH SITE))		LS						2,346
MAINTENANCE	FACII	LITY			SF	١	10,0	00		74	(740)
ADMINISTRAT	IVE/OF	PERATIONS FACIL	LITY	?	SF	٠	10,0	00		57	(570)
TARGET AREA	S/TARG	GET SITES			EA	.		6	172,6	70	(1,036)
SUPPORTING FA	CILIT	ES									4,835
CONSTRUCT P	ROADS				LF	·	44,4			22	(975)
IMPROVE EXI	STING	ROADS			LF	'	195,5	00		16	(3,130)
UTILITIES										(150)	
SITE IMPROV	SITE IMPROVEMENTS LS								(20)		
FENCING (VA	RIOUS	TYPES)			LF	·	140,0	00		4	(560)
SUBTOTAL						-					7,181

10. Description of Proposed Construction: Develop a 10 acre site to include two steel frame, metal-sided facilities on concrete pads. Include diesel generator, waterwell, pump, piping and storage, and wastewater septic system. Construct helicopter pad, gravel parking lot, gravel access roads, firebreaks, security fencing, target areas and other necessary support.

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (5%)
TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

TOTAL REQUEST

PROJECT: Construct Idaho Training Range (North Site). (New Mission) REQUIREMENT: A new range is required to provide realistic training for aircrews to maintain combat capability. The range must provide a variety of near-real targets to simulate conditions that can be expected in a real combat scenario. The Class B range at north site will consist of 2 target areas with four target sites. A Class B range can be manned or unmanned and has a scoring capability from the ground, but does not have a Range Control Officer on the ground controlling aircraft. Facilities are required to provide vehicle and range maintenance, and administrative space. The training infrastructure must provide realistic simulated battlefield conditions. To maximize combat efficiency, cost effectiveness and unit readiness, the training infrastructure must be locally available. CURRENT SITUATION: Saylor Creek Range (SCR) is approximately 40 miles southeast of Mt Home AFB and has limited capability for composite wing training. Due to its size, the SCR can not be used in the training of composite force formations, which is a basic composite wing requirement. Composite wing aircraft must fly to distant ranges for other training such as defense indepth, flag exercises, or first look targets. Aircraft must refuel in-flight or refuel at other bases before and/or after the mission. Approximately 3000 hours of flying time are now used in transit to the

7,540

8,000

452 7,992

•				
	1. COMPONENT		2. DF	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	מיד		
		T.U.	ŀ	
_	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			·
ĺ	MOUNTAIN HOME AIR FORCE BASE, IDAHO			
Ī		5	PROJECT	MIIMPED
į		•	1 NOODC1	HOMBER
ı	IDAHO TRAINING RANGE (NORTH SITE)			
•	ISING TRUTHO KANGE (NORTH SITE)		OY 2 H 9 6 3 0	11.7

more distant ranges in Utah and Nevada. Because of the increased flight time required for these training activities and the additional fuel consumed, obtaining this training on a routine basis is neither practical nor cost-effective. The distant locations of these aircrew training ranges necessitate not only additional flying time but also the associated requirement and cost for additional tanker missions for in-flight refueling, when needed. The SCR can not support the full scale composite force training requirement because it does not provide the air space and range infrastructure to allow the use of the full range of target options such as: forward edge of the battle area, battlefield air interdiction, and deep interdiction.

IMPACT IF NOT PROVIDED: The composite wing will not have the required local training facilities to meet their current combat training needs. The wing will be forced to continue using distant training ranges, and this necessitates increased sortie lengths, adds associated tanker missions for in-flight refueling when required, causes extra fuel consumption, and reduces total training time on the ranges for aircrew members to improve and maintain combat proficiency.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". The land is being obtained through a land exchange between The State of Idaho and the Bureau of Land Management. Some private land may be purchased using funds provided in the Military Construction Appropriations Act, of 1994. A companion project to develop the south site of the ITR is being programmed in FY 97. A preliminary analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. New construction is the only option that can meet mission requirements. As a result, a full economic analysis was not performed. A certificate of exception has been prepared.

1 covpounts	10 5255
1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
AIR FORCE (computer generated)	IA
3. INSTALLATION AND LOCATION	
J. Holling in D. Dodillon	
MOUNTAIN HOME AIR FORCE BASE, IDAHO	
4. PROJECT TITLE	5. PROJECT NUMBER
IDAHO TRAINING RANGE (NORTH SITE)	QYZH963014
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 APR 01
(b) Parametric Cost Estimates used to develop	costs Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 AUG 30
(e) Date Design Complete	95 SEP 01
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	480
(b) All Other Design Costs	600
(c) Total	1080
(d) Contract	680
(e) In-house	400
(4) Construction Start	96 JUN
Equipment pagesisted with this project will be survived	
 Equipment associated with this project will be provide other appropriations: N/A 	ed from

1. COMPONENT	•									2.	DATE
	F	Y 1996 MILITARY	CONSI	'RUC'I	CION	PRO	OJECT	DAT	A.		
AIR FORCE		(compu	ter g	ener	ate	d)					
3. INSTALLATI	INA NO	DLOCATION			4.	PRO	JECT :	TITL	E		
				i	WAS	TEW	ATER :	rea:	TMENT	AN	D
MOUNTAIN HOME	AIR	FORCE BASE, IDAH)		DIS	POS	AL PLA	TNA			
5. PROGRAM EL	EMENT	6. CATEGORY COD	Ε 7.	PROJ	JECT	NU	MBER	8. 1	PROJEC	T (COST (\$000
		1	1								
2.74.56C		831-165		QYZH		005					9,850
		9. CO	ST ES	TIMA	TES						
									TINU		COST
		ITEM			!	א/ט	QUANT	TITY	cosi	<u>: </u>	(\$000)
		NT AND DISPOSAL	PLANT]]	LS					6,858
SUPPORTING FA	CILIT	IES			ı						1,980
UTILITIES					3 -	LS					(200
PAVEMENTS					1	LS					(125
PRETREATMEN	. –				- 1	LS					(1,450
	RAINI	ng and own manual	LS		1	LS					(205
UBTOTAL							:				8,838
CONTINGENCY (•	•									442
OTAL CONTRAC											9,280
		CTION AND OVERHEA	AD (6	%)							557
OTAL REQUEST						ļ					9,837
OTAL REQUEST	' (ROUN	NDED)									9,850
					1						
						1					,
								- 1			

10. Description of Proposed Construction: Construct a 0.85 million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Provide construction, operation and discharge permits, operations and maintenance (O&M) manuals and a one year start-up contract.

11. REQUIREMENT: As required.

PROJECT: Construct a wastewater treatment and disposal plant.(Current
Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. current wastewater system does not provide the level of treatment required to maintain regulatory compliance. The proposed wastewater treatment plant will provide advance treatment to meet local, state and federal water pollution control and Resource Conservation and Recovery Act (RCRA) requirements. Pretreatment facilities will be constructed upstream of the new wastewater treatment plant to protect the wastewater treatment plant from the discharge of heavy metals and toxic organics in excess of the limits established by the Clean Water Act (CWA) and RCRA regulations. CURRENT SITUATION: Mt Home AFB is on EPA's National Priority List. Domestic and industrial wastewaters are being treated on base in unpermitted lagoons. These lagoons were partially constructed over abandoned sanitary landfill trenches. The base does not have a state of Idaho land application permit. A 1989 utilities survey estimated that the percolation rate of the existing lagoons is on the order of 0.40 to 0.45 in/day. The state of Idaho leakage standard for existing lagoons is a maximum of 0.125 in/day. During the winter, water inflow into the lagoons exceeds water outflow through percolation/evaporation. The lagoons gradually fill up. In the spring the lagoons are drawn down by pumping

	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT D. AIR FORCE (computer generated)	ATA	2. D	ATE
	3. INSTALLATION AND LOCATION MOUNTAIN HOME AIR FORCE BASE, IDAHO			
l	4. PROJECT TITLE	5.	PROJECT	NUMBER
l	WASTEWATER TREATMENT AND DISPOSAL PLANT		OYZH9630	105

the wastewater from the lagoons into three infiltration basins until the percolation/evaporation rate of the lagoons once again exceeds inflow and the annual cycle repeats itself. Mt Home AFB has little control over operational parameters of the current treatment system and cannot control or contain prohibited material from reaching the environment.

IMPACT IF NOT PROVIDED: Continued operation of the base's existing unlined lagoons can result in enforcement actions by the state and the Environmental Protection Agency (EPA) under either the solid and hazardous waste regulations or ground water protection regulations. Continued violations may result in fines and penalties up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra	
AIR FORCE	(computer generated)		
3. INSTALLAT	TION AND LOCATION		
HOH NIATHION	E AIR FORCE BASE, IDAHO		
4. PROJECT T		5. PRO	JECT NUMBER
VASTEWATER I	REATMENT AND DISPOSAL PLANT	OYZ	H963005
12. SUPPLEM	ENTAL DATA:		
a. Estima	ted Design Data:		
(1) S	tatus:		
(a) Date Design Started		94 APR. 17
(t) Parametric Cost Estimates used to develop of	costs	Y
•) Percent Complete as of Jan 1995		35%
•) Date 35% Designed.		94 AUG 30
(∈) Date Design Complete		95 AUG 15
(2) E	asis:		
(a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3) I	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
) Production of Plans and Specifications		400
(b) All Other Design Costs		410
(0) Total		810
(d) Contract		600
(e) In-house		210
(4) C	onstruction Start		96 JAN
	t associated with this project will be provide	d from	
ther approp	riations: N/A		

1. COMPONENT						2.	DAT	re
	FY 1996 MILITARY C	ONSTRU	CTION :	PROGI	RAM			
AIR FORCE	(computer							
3. INSTALLATION AND			DNAMMC			5.	ARE	EA CONS
		AIR I	MOBILI	TY			COS	T INDE
SCOTT AIR FORCE BAS	E, ILLINOIS	СОММ	AND				1.	14
6. PERSONNEL	PERMANENT	S'	TUDENT	S	SUPI	PORTED		
STRENGTH	OFF ENL CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	2137 4237 293	2			175	170	544	10,19
b. End FY 2000	1971 4101 271	8			175	170	544	9,67
	7. INVENTOR	Y DATA	(\$000)				
a. Total Acreage:	(3,337)							
b. Inventory Total	As Of: (30 SEP 94)				34.	1,08	39
c. Authorization No							2,70	00
d. Authorization Rec	quested In This Pr	ogram:				13	2,70	00
e. Authorization Inc	cluded In Followin	g Prog	ram:	(FY 1	1997)			0
f. Planned In Next	Four Program Years	:					9,35	0
g. Remaining Defici						98	3,70	00
h. Grand Total:	-					46	4,53	19
8. PROJECTS REQUEST	ED IN THIS PROGRAM	: FY	1996		_			-
CATEGORY					COST	DES	IGN	STATUS
CODE PRO	DJECT TITLE	5	SCOPE		(\$000)	ST	ART	CMPL
721-312 DORMITORY			144	PN	8,000		94	MAY 9
724-417 GLOBAL REAG	CH PLANNING CENTER		60	PN	4,700) SEP	94	JUN 95
VISITING (QUARTERS			_		-		
			TOTAL:		12,700			
9a. Future Projects						1997) NO	NE
9b. Future Projects	: Typical Planne							
113-321 APRONS		2			1,650			
721-312 ALTER DORM:		_		PN				
730-773 ADD TO CHAI					1,250			
822-265 REPAIR STEA			5,000		3,500			
10. Mission or Majo							.	3 ' 6 '
Transportation Comma			_			-		
Control Center; HQ A								
Agency; Air Weather								
Center; an airlift w	_		_					
squadron; an Air For								
Force Materiel Comma		s Syste	ems Pro	ogram	OFFIC	e and	a n	ajor
JSAF medical center.	lution and safety	(OCII)	dofici					
ll. Outstanding pol	Tucton and safety	(USH)	derici	renci	.es:			
a. Air polluti	on•						0	1
							0	
_	l safety and healt	-h•					0	
c. Occupationad. Other Envir	-	-11+					0	
u. Other Envir	ommental:						U	•

1. COMPONENT			2. DATE
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
SCOTT AIR FORCE BA		DORMITORY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.18.96	721-312	VDYD973000	8,000
	9. cos:	r estimates	

			UNIT	COST
ITEM -	U/M	QUANTITY	COST	(\$000)
DORMITORY (144 PN)	-			5,712
DORMITORY	SF	51,000	110	(5,610)
AUTOMATIC SPRINKLER PROTECTION	SF	51,000	2	(102)
SUPPORTING FACILITIES				1,500
UTILITIES	LS			(650)
PAVEMENTS	LS			(550)
SITE IMPROVEMENTS	LS			(300)
SUBTOTAL				7,212
CONTINGENCY (5%)			-	361
TOTAL CONTRACT COST				7,573
SUPERVISION, INSPECTION AND OVERHEAD (6%)				454
TOTAL REQUEST				8,027
TOTAL REQUEST (ROUNDED)				8,000
		ļ		
	1 1	ĺ		
			į	

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage and lounge areas, and all necessary support. Air Conditioning: 100 Tons. Grade Mix: 144 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 144 personnel: 144 E1-E4, with a maximum utilization of 144 personnel. CURRENT SITUATION: Currently there are not enough adequate dormitories to meet the requirements of unaccompanied enlisted personnel at this installation. In addition to the personnel living in existing substandard facilities, there are currently in excess of 200 E-1 through E-4 enlisted personnel living off-base due to lack of on-base quarters. This project will significantly reduce this existing deficit and reduce the need for \$1.2 million payment of BAQ/VHA/BAS annually.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will have to continue living off-base resulting in excess of \$1.2 million payment of BAQ/VHA/BAS annually.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT D)ATA	2. DATE
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION SCOTT AIR FORCE BASE, ILLINOIS		
4. PROJECT TITLE	5. PR	ROJECT NUMBER
DORMITORY	VD	YD973000

been prepared comparing alternatives of new construction or status quo (housing enlisted personnel off-base paying BAQ/VHA/BAS). Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
	CE BASE, ILLINOIS	·	
4. PROJECT TI	TLE	5. PRO	JECT NUMBER
DODUTEODY			
DORMITORY		VDY	D973000
12. SUPPLEME	NTAL DATA:		
12. SOFFEENE	MIND DAIR.		
a. Estimat	ed Design Data:		
(1) St	atus:		
(a)	Date Design Started		94 SEP 01
(b)	Parametric Cost Estimates used to develop	costs	Y
(0)	Percent Complete as of Jan 1995		30%
	Date 35% Designed.		95 FEB 15
(e)	Date Design Complete		95 MAY 15
(2) Ba	sis:		
` '	Standard or Definitive Design -		YES
	Where Design Was Most Recently Used -		SCOTT
/3\ To	tal Cost (c) = (a) + (b) or (d) + (e):		
	Production of Plans and Specifications		(\$000
	All Other Design Costs		80 400
	Total		480
	Contract		415
(e)	In-house		65
(4) Co	nstruction Start		96 MAR
() , 55			96 MAR
. Equipment	associated with this project will be provide	d from	
ther appropr	iations: N/A	a IIOIII	

1. COMPONENT												2.	DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA						1						
AIR FORCE			(00	omput	er o	gene	rate	ed)_					
3. INSTALLATI	ON AN	D LO	CATION				4.	PRO	JECT '	TITL	Ε		
							GLO	DBAL	REAC	H PL	ANNING	G C	ENTER
SCOTT AIR FOR	CE BA	SE,	ILLINOIS				VIS	SITI	NG QU	ARTE	RS		
5. PROGRAM EI	EMENT	6.	CATEGORY	CODE	7.	PRO	JECT	NU	MBER	8. 1	PROJEC	CT (COST(\$000)
		l											
4.18.96			724-417			VDYI	953	3019					4,700
			9.	cos	r Es	STIM	ATES	3					
											LIND	ר	COST
		ΙΊ	EM					U/M	QUAN	YTIT	COSI	<u>r</u>	(\$000)
GLOBAL REACH	PLANN:	NG	CENTER VI	SITI	1G								
QUARTERS (60	PN)							LS					3,210
VISITING OFFICERS QUARTERS					ĺ	SF	30,0	000	1	.05	(3,150)		
AUTOMATIC SPRINKLER PROTECTION						SF	30,0	000		2	(60)		
SUPPORTING FACILITIES											1,030		
UTILITIES								LS					(190)
SITE IMPROV	EMENTS	3						LS	•				(90)

LS

SF

EA

51,000

1

80,000

Description of Proposed Construction: A two-story structure with reinforced concrete foundation and floor slab, masonry walls, and roof deck system, sprinkler protection, site improvements, and all necessary support. Includes demolition of two facilities and asbestos removal/disposal.

Air Conditioning: 65 Tons. Grade Mix: 60 04-010.

DEMOLITION/ASBESTOS REMOVAL/DISPOSAL

SUPERVISION, INSPECTION AND OVERHEAD (6%)

11. REQUIREMENT: 184 PN ADEQUATE: 124 PN SUBSTANDARD: PROJECT: Construct a global reach planning center visiting quarters. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) project. Adequate living quarters are required to accommodate TDY personnel at the Global Reach Planning Center. On-base quarters are essential to insure that the TDY personnel attending conferences at HQ AMC are provided an environment conducive to successful accomplishment of the increasingly complicated and important jobs these personnel must perform. Areas required include living, administrative, housekeeping, guest laundry, reception, and lobby. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. CURRENT SITUATION: The creation of HQ AMC at Scott AFB from the Military Airlift and Strategic Air Commands has generated an increase in TDYs to Scott. Since the stand up of AMC on 1 Jun 93, the Headquarters has sponsored over 160 conferences. The larger conferences include over 225 participants. The existing VOQs cannot accommodate the high volume of visitors to USTRANSCOM, HQ AMC, and Air Force Command and Control Communication Computer Agency (AFC4A). In order to meet this requirement, an average of 100 off-base quarters are contracted each day, which cost

approximately \$4,000 per day. The average distance to the off-base

Page No

210)

460)

80)

,240

212

267

4,452

4,719

4,700

PAVEMENTS

ELEVATOR

TOTAL REQUEST

CONTINGENCY (5%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUBTOTAL

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION		
SCOTT AIR FORCE	E BASE, ILLINOIS	
4. PROJECT TITE	LE 5	. PROJECT NUMBER

quarters is eleven miles. Two substandard facilities totaling 51,000 SF will be demolished as a result of this project.

GLOBAL REACH PLANNING CENTER VISITING QUARTERS

IMPACT IF NOT PROVIDED: Personnel attending conferences at the Global Reach Planning Center will continue to be housed off-base at a cost of \$2,400 per day. Splitting up conference attendees/TDY personnel in separate on-base and/or off-base quarters will continue to greatly complicate planning and scheduling activities and increase logistical costs.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and contract quarters. Based on the net present value and benefits of the respective alternatives, new construction was found to be the most efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

VDYD953019

FY 1996 MILITARY CONSTRUCTION PROJECT D R FORCE (computer generated) INSTALLATION AND LOCATION OTT AIR FORCE BASE, ILLINOIS		
INSTALLATION AND LOCATION		
OTT AIR FORCE BASE, ILLINOIS		
OTT AIR FORCE BASE, ILLINOIS	,	
		
PROJECT TITLE	5. PR	OJECT NUMBER
ODAL DENGU DIANNING GENEED UTGIMING GUADEDC	,,,,	VD052010
OBAL REACH PLANNING CENTER VISITING QUARTERS	ן עט	YD953019
. SUPPLEMENTAL DATA:		
. SOFFDEMENTAL DATA:		
a. Estimated Design Data:		
Documeted Design Duta.		
(1) Status:		
(a) Date Design Started		94 SEP 09
(b) Parametric Cost Estimates used to develop	costs	Y
(c) Percent Complete as of Jan 1995		35%
(d) Date 35% Designed.		95 JAN 01
(e) Date Design Complete		95 JUN 16
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		MCCONNEL
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		50
(b) All Other Design Costs		230
(c) Total		280
(d) Contract		240
(e) In-house		40
(4) Construction Start		96 MAR

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT FY 1996 MILITAR	v co	icabiic	יתדרו	PPOCI	N A C	2	. DAT	ΓE
AIR FORCE (compu				PROGI	CAM			
3. INSTALLATION AND LOCATION			MMAND		·	5	ARI	EA CONS
5. INSTRUMENTON AND BOCKTON			OBILI	rγ		٦		ST INDE
MCCONNELL AIR FORCE BASE, KANSAS		COMMA		* *			0.99	
6. PERSONNEL PERMANEN	·m		UDENT	-	CIID	PORTE		. , ,
	CIV			civ	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94 602 3527			ENL	CIV	2		148	
	179				2		1 1	
			46000			11	148	4,14
7. INVEN	TORY	DATA	(\$000	<u>}</u>				
a. Total Acreage: (3,103)	0.4.					_		
b. Inventory Total As Of: (30 SEP							20,09	
c. Authorization Not Yet In Invent	_						10,55	
d. Authorization Requested In This							9,45	/
e. Authorization Included In Follo	_	Progr	am:	(FY	1997)			0
f. Planned In Next Four Program Ye	ars:						31,50	
g. Remaining Deficiency:							55,40	00
h. Grand Total:						4	26,99	91
8. PROJECTS REQUESTED IN THIS PROG	RAM:	FY 1	996					
CATEGORY					COST	DE	SIGN	STATUS
CODE PROJECT TITLE		5	COPE		(\$000	<u>)</u> S	TART	CMPL
141-753 KC-135 SQUADRON OPERATION	s/	4	0,900	SF	6,10	0 JU	N 94	MAR 9
AIRCRAFT MAINTENANCE UNI	T FAC							
721-312 ALTER DORMITORY			62	PN	2,20	O AU	G 94	AUG 9
831-157 DEICING PAD		1	1,000	SY	1,15	0 JU	L 94	MAR 9
			TOTAL	-				
9a. Future Projects: Included in	the	Follo	wing :	Prog	cam (F	Y 199	7) NO	ONE
9b. Future Projects: Typical Pla	nned	Next	Four	Years	s :			
111-111 UPGRADE RUNWAY				LS	3,10	0		
610-128 MILITARY PERSONNEL SUPPOR	T	4	8,250	SF	6,40	0		
CENTER								
690-000 PROCUREMENT FACILITY			8,000	SF	1,40	0		
740-675 CONSOLIDATED EDUCATION CE	NTER	3	2,700	SF	5,00	0		
740-884 ADD TO AND ALTER CHILD		2	7,300	SF	2,60	0		
DEVELOPMENT CENTER								
10. Mission or Major Functions:	An a	ir ref	uelin	g wi	ng wit	h fou	r KC-	-135
squadrons; and an Air National Gua	rd bo	omb gr	oup w	ith a	a B-1	squad	lron.	
11. Outstanding pollution and saf								
	_							
a. Air pollution:							()
b. Water pollution:							1,000)
c. Occupational safety and h	ealt	n:					2,100	
d. Other Environmental:		••)
a. Other Bhyrronmentar.							`	,

		2. DATE				
7 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA				
(compute	er generated)					
LOCATION	4. PROJECT	TITLE				
	KC-135 SQUA	DRON OPERATIONS/				
MCCONNELL AIR FORCE BASE, KANSAS AIRCRAFT MAINTENANCE UNIT FAC						
6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)				
141-753	PRQE963500	6,100				
	(compute LOCATION BASE, KANSAS 6. CATEGORY CODE	KC-135 SQUA BASE, KANSAS AIRCRAFT MA CATEGORY CODE 7. PROJECT NUMBER				

9. COST ESTIMA	TES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
KC-135 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	40,900	115	4,704
SUPPORTING FACILITIES		i		775
UTILITIES	Ls		ĺ	(290)
PAVEMENTS	LS			(175)
SITE IMPROVEMENTS	LS			(215)
ELEVATOR	EA	' 1	95,000	(95)
SUBTOTAL			•	5,479
CONTINGENCY (5%)				274
TOTAL CONTRACT COST				5,753
SUPERVISION, INSPECTION AND OVERHEAD (6%)			1	345
TOTAL REQUEST				6,098
TOTAL REQUEST (ROUNDED)				6,100
				0,100
	1 1			

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 85 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit
(Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 18 additional KC-135s in the 2nd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, technical order library, standardization/evaluation, life support, locker rooms, and scheduling. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC.

CURRENT SITUATION: Squadron operations and the aircraft maintenance units are dispersed among three severely undersized and physically separated facilities. These facilities have historically suffered overcrowding, a condition further exasperated with the beddown of additional KC-135s and

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION MCCONNELL AIR FORCE BASE, KANSAS

KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC

PRQE963500

5. PROJECT NUMBER

the unification of the operators and maintainers. The physical separation creates fragmented lines of communications/authority. Aircrews and maintenance personnel spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. These facilities are inadequately sized and not properly configured to support requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in scattered and undersized buildings and will never develop the cohesiveness and efficiency required by an operational organization. Full implementation of the more effective Objective Wing squadron and beddown of KC-135s will be degraded. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

4. PROJECT TITLE

(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 1 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (500)	INSTAL	Computer generated) LATION AND LOCATION	
PROJECT TITLE C-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			
C-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (5) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (4) Construction Start Equipment associated with this project will be provided from			DDO TECT NUMBER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (c) Total (d) Production of Plans and Specifications (e) Total (f) Total (g) Total (g) Total (h) Contract (h) Total (h) Contract (h) Total (h) Construction Start (h) Construction Start Equipment associated with this project will be provided from		J.	PROJECT NUMBER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	-135 SQ	UADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	PRQE963500
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) Fell Equipment associated with this project will be provided from	. SUPP	LEMENTAL DATA:	
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) FEI Equipment associated with this project will be provided from	a. Est	imated Design Data:	
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 1 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(1)	Status:	
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (5) FEI (6) Equipment associated with this project will be provided from			94 JUN 01
(d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			
(e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			65%
(2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications 28 (b) All Other Design Costs 13 (c) Total 42 (d) Contract 53 (e) In-house 416 (4) Construction Start 96 FEI			
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (4) Construction Start (5) (5) (6) (7) (8) (9) (9) (9) (9) (9) (9) (9		(e) Date Design Complete	95 MAR 17
(b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (e) In-house 410 (4) Construction Start 96 FE	(2)		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			YES
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from		(b) Where Design Was Most Recently Used -	TRAVIS
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$:	(\$000
(c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			287
(d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			134
(e) In-house (4) Construction Start 96 FE Equipment associated with this project will be provided from		· ·	421
(4) Construction Start 96 FE Equipment associated with this project will be provided from			2
Equipment associated with this project will be provided from		/= \	
Equipment associated with this project will be provided from her appropriations: N/A		(e) In-house	419
Equipment associated with this project will be provided from her appropriations: N/A	(4)		419 96 FEB
Equipment associated with this project will be provided from her appropriations: N/A	(4)		
her appropriations: N/A	(4)		
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB
	Equipa	Construction Start ment associated with this project will be provided f	96 FEB

1. COMPONENT		· · · · · · · · · · · · · · · · · · ·	2. DATE		
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA		
AIR FORCE	(comput	er generated)			
3. INSTALLATION A	ND LOCATION	4. PROJECT	TITLE		
MCCONNELL AIR FOR	CE BASE, KANSAS	ALTER DORMI'	TORY		
5. PROGRAM ELEMEN	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	PRQE970014	2,200		
9. COST ESTIMATES					

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORY (62 PN)				1,562
ALTERATION	SF	25,200	60	(1,512)
AUTOMATIC SPRINKLER PROTECTION	SF	25,200	2	(50)
SUPPORTING FACILITIES				345
UTILITIES	LS			(125)
PAVEMENTS	LS			(100)
SITE IMPROVEMENTS	LS			(75)
ASBESTOS ABATEMENT	LS			(45)
SUBTOTAL				1,907
CONTINGENCY (10%)		!		191
TOTAL CONTRACT COST]		2,098
SUPERVISION, INSPECTION AND OVERHEAD (6%)		İ		126
TOTAL REQUEST				2,224
TOTAL REQUEST (ROUNDED)		i		2,200

10. Description of Proposed Construction: Alter a three-story dormitory. Includes upgrading the mechanical and electrical system, interior finishes, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, site improvements, asbestos abatement, and necessary support.

Air Conditioning: 50 Tons. Grade Mix: 62 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 62 personnel: 62 E1-E4, with a maximum utilization of 62 personnel.

CURRENT SITUATION: The facility to be upgraded was constructed in 1970. Inefficiencies include inadequate lighting, poor insulation and sound attenuation, and obsolete electrical and mechanical systems. No major maintenance, repairs or improvements have been made to the interior finishes since the facility was constructed 24 years ago.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction,

1. COMPONENT FY	1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATION AND	LOCATION	
MCCONNELL AIR FORCE	BASE, KANSAS	
4. PROJECT TITLE	5	. PROJECT NUMBER
ALTER DORMITORY		PROF970014

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. Fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ΤΔ	2. DATE			
AIR FORCE	(computer generated)					
3. INSTALLAT	ION AND LOCATION					
	R FORCE BASE, KANSAS	T				
4. PROJECT T	ITLE	5. PRC	DJECT NUMBER			
ALTER DORMIT	ORY	PRÇ	E970014			
12. SUPPLEM	ENTAL DATA:					
a. Estima	ted Design Data:					
(1) S	tatus:					
•) Date Design Started		94 AUG 19			
l.) Parametric Cost Estimates used to develop of	costs	Y			
) Percent Complete as of Jan 1995		35%			
1 .) Date 35% Designed.		94 OCT 14			
(e) Date Design Complete		95 AUG 17			
(2) B	asis:					
(a) Standard or Definitive Design -		ИО			
(b)	Where Design Was Most Recently Used -		N/A			
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):		(\$000)			
(a)	Production of Plans and Specifications		130			
	All Other Design Costs		120			
1	Total		250			
, ,	Contract		200			
(e)	In-house		50			
(4) Co	onstruction Start		96 MAR			
b. Equipment						
b. Equipment associated with this project will be provided from other appropriations: N/A						

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE DEICING PAD MCCONNELL AIR FORCE BASE, KANSAS 8. PROJECT COST(\$000) 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER PRQE965019 1,150 4.18.56 831-157 9. COST ESTIMATES UNIT COST (\$000) U/M QUANTITY COST ITEM 682 SY 11,000 DEICING PAD 360 SUPPORTING FACILITIES LS 10) UTILITIES LS **PAVEMENTS** 325) LS 25) SITE IMPROVEMENTS 1,042 SUBTOTAL 52 CONTINGENCY (5%) 1,094

10. Description of Proposed Construction: Provide facilities to deice aircraft and recover, recycle, and dispose of the used deicing fluid. Includes sloped pad to drain to center catch basin, pumps to a storage tank, and necessary support.

11. REQUIREMENT: 1 SY ADEQUATE: O SUBSTANDARD: 0 PROJECT: Construct a deicing pad. (Current Mission) REQUIREMENT: This is a Level I environmental compliance requirement. Construction of an aircraft deicing chemical recovery facility will provide a centralized deicing location for the aircraft and a means to recover the used deicing fluid. This will prevent the deicing fluid from being released into the waterways of the base which would violate the Kansas Department of Health and Environment (KDHE) limit of seven mg/L for propylene glycol and prevent the inevitable Notice of Violation. CURRENT SITUATION: During deicing operations, a section of the ramp is closed to other aircraft traffic, a trench drain serving the area is blocked, and deicing fluid is pumped out of the trench. A pavement sweeper is also used to recover the surface fluid which does not enter the trench. The used deicer chemical is disposed of through Defense Reutilization and Marketing Office. Aircraft deicing operations in 1991 resulted in excess levels of propylene glycol in the waterways flowing off base One sample indicated a level of 293 mg/L. Excessive levels of propylene glycol severely impacted the waterways, resulting in strong odors from the creek, complaints from residents near the creek, investigation by KDHE and the Environmental Protection Agency, and the issuance of a 7 mg/L limit on the propylene glycol levels in waterways flowing off base. A Notice of Violation has been issued but action by the KDHE is being held in abeyance as a result of programming this project in

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

TOTAL REQUEST

SUPERVISION, INSPECTION AND OVERHEAD (6%)

66

1,160

1,150

1. COMPONENT			2. D	ATE
FY	1996 MILITARY CONSTRUCTION PROJECT DAY	TA	1	
AIR FORCE	(computer generated)			
3. INSTALLATION AND	LOCATION			
MCCONNELL AIR FORCE	BASE, KANSAS			
4. PROJECT TITLE		5. I	PROJECT	NUMBER
DEICING PAD			PROFIGE	110

FY96.

IMPACT IF NOT PROVIDED: Substantial reduction in flying operations during weather that requires deicing. Additionally, the base will be subject to Notice of Violation for exceeding the propylene glycol limits, substantial monetary penalities, further complaints and/or lawsuits from nearby residents, and cessation of flying operations pending compliance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	BODGE BAGE VANCAG	
1. PROJECT TI	FORCE BASE, KANSAS	5. PROJECT NUMBE
. PROJECI II	ILE	5. PROJECT NUMBE
DEICING PAD		PRQE965019
BICING PAD		TRQBJ03013
2. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 JUL 2
(b)	Parametric Cost Estimates used to develop	costs
(c)	Percent Complete as of Jan 1995	40
, ,	Date 35% Designed.	94 OCT 0
(e)	Date Design Complete	95 MAR 08
(2) Ba	sis:	
(a)		NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	61
	All Other Design Costs	4(
	Total	100
	Contract	90
(e)	In-house	10
(4) Co	nstruction Start	96 JA

other appropriations: N/A

1. COMPONENT										2. DA	TE		
AIR FORCE	FY	1996		ARY CO puter (PROGI	RAM					
	ON AND TO	ראידר								5. ARI	EA CONS		
3. INSTALLATION AND LOCATION						4. COMMAND					5. AREA CONST		
BARKSDALE AIR FORCE BASE,					AIR COMBAT COMMAND					0.84			
LOUISIANA									PORT		1		
6. PERSONNEL	+	OFF	ERMANI ENL	CIV		UDENT							
STRENGTH	4	OFF		CIV		ENL							
a. As of 30 S	· · · · · · · · · · · · · · · · · ·					132		i i		5 15			
b. End FY 200	00		4852			132		3		5 15	6,992		
	7. INVENTORY DATA (\$000)												
a. Total Acre		22,3											
b. Inventory	Total As	Of:	(30 SE	EP 94)						236,08	34		
c. Authorizat	ion Not Y	et In	Inver	ntory:						50,68	30		
d. Authorizat	ion Reque	sted	In Thi	is Pro	gram:					2,50	00		
e. Authorizat	ion Inclu	ded I	n Foll	lowing	Progr	am:	(FY I	L997)		3,60	00 ,		
f. Planned Ir						:				5,75	50		
q. Remaining			-							109,10	00		
h. Grand Tota		<i>a</i> -								407,7	14		
8. PROJECTS F		IN TH	IS PRO	GRAM:	FY 1	996							
CATEGORY								COST	D	ESIGN	STATUS		
CODE	PROJE	כיד ידד	TI.E		9	COPE		(\$000) _	START	CMPL		
CODE	INCOL	<u> </u>	100		=			74777	<u></u>				
171-211 B-52	TPATNING	COMP	T.FY				LS	2,50	o J	UL 94	APR 95		
1/1-211 6-52	IRAINING	COMP	TILL			TOTAL:	-	2,50		02 /.			
On Future F	rojects:	Incl	uded i	in the	Follo					971			
9a. Future F	-			LII CIIC		5,000				- · ,			
			TEMB		-	,		2,00	•				
_	ADRON COM		m er e				LS	1,00	n				
831-155 INDU				,			TO	1,00	O				
PRE	TREATMENT	FACI	PITIES	•		TOTAL:		3,60	<u></u>				
		-	- 1 51		N7								
	rojects:								^				
740-674 PHYS					1	8,200							
871-183 ADD							LS	3,30	U	á			
	INAGE FAC										\		
10. Mission	or Major 1	Funct	ions:	Head	quarte	ers Eig	ghth	Air F	orce	; a I	Lying		
wing with thr	ee B-52 s	quadr	ons, c	one of	which	is re	espor	isible	for	trai	ning		
B-52 aircrews	; and an A	Air F	orce F	Reserve	e wing	with	an A	4/OA-1	0 an	d B-52	2		
squadron.													
11. Outstand	ling pollu	tion .	and sa	afety	(OSH)	defic	ienci	les:					
a. Air	nollution	•								3,000	0		
·						3,490							
1							0						
c. Occupational safety and healt d. Other Environmental:				• •		Ö							
d. Othe	r Environ	menta	Τ:							'	•		
1													

-	1. COMPONENT			2. DATE	
	AIR FORCE	DATA			
-	3. INSTALLATION AND		er generated) 4. PROJECT	TITLE	
BARKSDALE AIR FORCE BASE, LOUISIANA B-52 TRAINING COMPLEX					
	5. PROGRAM ELEMENT	6. CATEGORY CODE		8. PROJECT COST(\$000)	
	1.18.97	171-211	AWUB962309	2,500	

9. COST ESTIMATES							
			UNIT	COST			
ITEM	U/M	QUANTITY	COST	(\$000)			
B-52 TRAINING COMPLEX	SF	67,000		1,900			
MUNITIONS ASSEMBLY AREA	SF	50,000	7	(350)			
ABOVE GROUND MAGAZINE	SF	5,000	120	(600)			
MUNITIONS MAINTENANCE FACILITY	SF	2,000	200	(400)			
RENOVATE ACADEMIC FACILITY	SF	10,000	55	(550)			
SUPPORTING FACILITIES	ĺ		,	350			
UTILITIES	LS	i ,		(150)			
PAVEMENTS	LS	.		(100)			
SITE IMPROVEMENTS	Ls			(100)			
SUBTOTAL				2,250			
CONTINGENCY (5%)	1			113			
TOTAL CONTRACT COST			ì	2,363			
SUPERVISION, INSPECTION AND OVERHEAD (6%)				142			
TOTAL REQUEST				2,505			
TOTAL REQUEST (ROUNDED)				2,500			
				-			

- 10. Description of Proposed Construction: Reinforced concrete foundations for several facilities, concrete paved bomb assembly area, metal walls with maintenance free exterior, insulated roof, renovate facility for academic training, and all necessary support.

 Air Conditioning: 40 Tons.
- 11. REQUIREMENT: As required.

PROJECT: Construct a B-52 Training Complex. (New Mission)

REQUIREMENT: This project is part of a HQ ACC initiative to consolidate all B-52 crew training at one location. The base requires these facilities to perform its strategic bomber training mission. Special conference/vault areas are required to conduct secret cleared briefings. Additional munitions facilities are required to store and generate weapons to support training missions. Renovation of an existing facility is required to provide sufficient classroom, conference areas, and laboratories.

<u>CURRENT SITUATION</u>: Current facilities are already dedicated towards supporting existing mission requirements. Facilities to support the academic requirement are available, however they need to be converted into conference/classroom configurations. In addition, security restrictions require special conference/vault areas.

IMPACT IF NOT PROVIDED: The strategic mission training program will not be administered. Bomber crew members will not be provided the training and experience necessary to insure mission success. Sufficient munitions facilities are absolutely essential to support the mission of the formal training program.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". However,

	1. COMPONENT					2. D	ATE
		FY	1996	MILITARY CONSTRUCTION PROJECT DA	TA		
	AIR FORCE			(computer generated)			
	3. INSTALLATI	ON AND	LOCAT	TION			
	BARKSDALE AIR	FORCE	BASE,	LOUISIANA			
	4. PROJECT TI	TLE			5.	PROJECT	NUMBER
ı	B-52 TRAINING	COMPLE	X		ĺ.,	AWUB9623	309

this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New Construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.

	ENT	EV 1006 NT TEST	2. DATE
IR FORCE		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA A
		(computer generated) ON AND LOCATION	
. 11101111	Dut 10	AND DOCATION	•
ARKSDALE	AIR	FORCE BASE, LOUISIANA	
. PROJEC			5. PROJECT NUMBER
-52 TRAII	NING	COMPLEX	AWUB962309
2. SUPP	TEMEN	VTAL DATA:	
. SOFF	DEMEN	IIAD DAIA:	
a. Est:	imate	ed Design Data:	
(1)	Sta	atus:	
, ,	(a)		94 JUL 15
		Parametric Cost Estimates used to develop c	costs Y
		Percent Complete as of Jan 1995	35%
		Date 35% Designed.	94 AUG 31
	(e)	Date Design Complete	95 APR 01
(2)	Bas	is:	
(-)		Standard or Definitive Design -	NO
		Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	
(3)		Production of Plans and Specifications	(\$000
		All Other Design Costs	110 100
		Total	210
		Contract	160
	(e)	In-house	50
///	Con	struction Chart	• • • • • • • • • • • • • • • • • • • •
(4)	Con	struction Start	96 JAN
(4)	Con	struction Start	96 JAN
, ,			-
Equipm	nent .	associated with this project will be provide	
Equipm	nent .		-
Equipm	nent .	associated with this project will be provide	-
Equipm	nent .	associated with this project will be provide	-
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	
Equipm	nent .	associated with this project will be provide	-

1. COMPONENT			 ,						2. DA	re	
	FY 1996					PROGI	RAM				
AIR FORCE			uter o								
3. INSTALLATION	N AND LOCATION	ON		l	DMMAND			-		EA CON	
				1	OBILI'	I.A				T IND	ΕX
ANDREWS AIR FOR				COMMA						.03	
6. PERSONNEL	+	PERMANE			UDENT			PORT			_
STRENGTH	+	ENL		OFF	ENL	CIV		ENL			
a. As of 30 SEI	1 '	4267					151		5 275		
b. End FY 2000		4229				<u></u>	151	118	5 275	9,0	63
n Motol house		. INVE	NTORY	DATA	(\$000)					
a. Total Acrea		•	D 041						200 02		
b. Inventory Toc. Authorization									380,93		
d. Authorization			_						21,64		
e. Authorization						י עמע	0071		12,88		
f. Planned In N			_	rrogr	am: ((11)	. 3 7 /)		8,70		
g. Remaining De		gram I	cars:						39,30		
h. Grand Total:	-							1	80,20 543,65		
8. PROJECTS REC		TS PRO	GRAM.	FY 1	996		,		343,03	0	
CATEGORY	2000100 11 11	iib ino	GIGHT.	* * *	<i>33</i> 0		COST	וח	ESTON	STATUS	
CODE	PROJECT TI	TLE		S	COPE		(\$000)	_	START	CMPI	-]
	11.00201 11			=			1000	_ :	31111(1	OHI I	-
411-135 UNDERG	ROUND FUEL S	TORAGE	TANKS	;		LS	6,886	ā At	JG 94	SEP 9	25
721-312 DORMIT	ORY						6,000		JL 94		- 1
					TOTAL:		12,886				
9a. Future Pro	jects: Incl	uded i	n the	Follo	wing F				97)		
721-312 ALTER	DORMITORIES				298	PN	8,700)	•		
					TOTAL:		8,700)			
9b. Future Pro	jects: Typi	cal Pla	anned	Next	Four Y	ears	:				
	HYDRANT FUE	LING S	YSTEM			LS	5,900)			- [
	AND ALTER P			2	6,000	SF	3,950)			- 1
	NAL/BASE OPE										
411-135 IMPROV						LS	8,250				
610-287 REPAIR						LS	4,000				
	DEVELOPMENT						4,500				\dashv
	Major Funct				_			**			- 1
perform Preside											ŀ
C-21, C-137, an								_	-		
C-141 squadron;											
C-21/C-22 airli center.	it squadron;	ANG RE	eacine	ss ce	nter;	and	a majo	er us	SAF Me	dicai	
	g pollution	and cat	Foty (OCH)	dofici	onai	004				\dashv
ii. Outstandin	g portacion	and sar	recy (OSA) (derici	enci	es:				- 1
a. Air po	llution:								0		
_	pollution:								0		
	tional safet	v and b	nealth	:					1,800		
-	Environmenta	_		-					0		
									3		

1. COMPONENT		2. DATE
FY 19	996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION AND LO	OCATION 4. PROJECT TITLE	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 4.18.56 411-135 AJXF963100 6,886

UNDERGROUND FUEL STORAGE TANKS

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	88		5,706
UPGRADE UNDERGROUND STORAGE TANKS	EA	6	52,000	(312)
UNDERGROUND STORAGE TANKS	EA	24	134,000	(3,216)
ABOVEGROUND STORAGE TANKS	EA	17	63,000	(1,071)
TANK REMOVAL/DISPOSAL	EA	41	27,000	(1,107)
SUPPORTING FACILITIES		1		200
UTILITIES	LS	ę		(110)
SITE IMPROVEMENTS	LS			(90)
SUBTOTAL				5,906
CONTINGENCY (10%)				591
TOTAL CONTRACT COST	1			6,497
SUPERVISION, INSPECTION AND OVERHEAD (6%)				390
TOTAL REQUEST				6,887
TOTAL REQUEST (ROUNDED)				6,886

10. Description of Proposed Construction: Remove 41 underground storage tanks, upgrade 6 underground storage tanks, install 24 new underground storage tanks and 17 new aboveground storage tanks (ASTs). Work includes providing leak detection, corrosion protection and spill/overflow prevention systems, screen filters, site work, utilities and necessary support.

REQUIREMENT: As required.

ANDREWS AIR FORCE BASE, MARYLAND

PROJECT: Remove, replace, and upgrade underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance project. This project is required to upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by December 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection and corrosion protection, and all ASTs to have spill/overflow prevention systems. If USTs are to be replaced, Air Force policy is to replace them with aboveground tanks or to relocate them into underground vaults wherever possible.

CURRENT SITUATION: The underground fuel tanks at Andrews AFB do not meet federal law (40 CFR 280) and state requirements for leak detection and cathodic protection. All of the regulated USTs require annual integrity (tightness) testing, daily fluid level monitoring and monthly inventory reconciliation and control. The existing deficiencies must be corrected by December 1998 to prevent violation of federal regulation.

IMPACT IF NOT PROVIDED: Failure to bring the USTs into environmental compliance will result in Andrews AFB receiving a Notice of Violation (NOV) from the EPA. This will ultimately result in fines and unfavorable publicity for the Air Force and DoD. All tanks must meet regulations or

1. COMPONENT		2. DATE							
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	\							
AIR FORCE	(computer generated)								
3. INSTALLATION AND LOCATION									
ANDREWS AIR I	ANDREWS AIR FORCE BASE, MARYLAND								
4. PROJECT TI	TLE 5	. PROJECT NUMBER							
UNDERGROUND F	THE STODAGE TANKS	N TV PO 6 2 1 0 0							

be permanently closed. The absence of sufficient fuel storage due to mandatory tank closure would seriously jeopardize the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that satisfies regulatory and operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

NDREWS A	ATION AND LOC	(computer generat	ed)	
NDREWS A	R FORCE BASE,			·
. PROJEC				
. PROJEC		MARYLAND		
NDERGROU	TITLE		5. PR	OJECT NUMBER
	D FUEL STORAG	TANKS	, , , , , , , , , , , , , , , , , , ,	XF963100
	D FOEL STORAG	L TANKS	AU	<u> </u>
2. SUPP	EMENTAL DATA:			
a. Est	mated Design	Data:		
(1)	Status:			
	(a) Date Des	_		94 AUG 26
		ic Cost Estimates used		Y
		Complete as of Jan 1999	5 '	359
	(d) Date 35%	-		94 OCT 12
	(e) Date Des	ign Complete		95 SEP 01
(2)	Basis:			
		or Definitive Design -		NO
	(b) Where De	sign Was Most Recently	Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) +	+ (e):	(\$000
	(a) Producti	on of Plans and Specifi	ications	410
		r Design Costs		390
	(c) Total			800
	(d) Contract			600
	(e) In-house			200
(4)	Construction	Start		96 APF
		d with this project wil	ll be provided from	m
.ner appi	opriations: 1	N/A		
		•		

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT D	ATA
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION 4. PROJECT TI	TLE

ANDREWS AIR FORCE BASE, MARYLAND

DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

4.18.96 721-312 AJXF963006 6,000 9. COST ESTIMATES

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (108 PN)				3,907
DORMITORY	SF	38,300	100	(3,830)
AUTOMATIC SPRINKLER PROTECTION	SF	38,300	2	(77)
SUPPORTING FACILITIES				1,500
UTILITIES	LS			(200)
PAVEMENTS	LS			(185)
SITE IMPROVEMENTS	LS			(100)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	67,500	15	(1,015)
SUBTOTAL				5,407
CONTINGENCY (5%)	İ			270
TOTAL CONTRACT COST				5,677
SUPERVISION, INSPECTION AND OVERHEAD (6%)				341
TOTAL REQUEST				6,018

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls, roof, fire protection, and site improvements. Includes room-bath-room modules, laundry, storage, and lounge areas, demolition of five dorms and all necessary support.

Air Conditioning: 80 Tons. Grade Mix: 108 E1-E4.

11. REQUIREMENT: As required.

TOTAL REQUEST (ROUNDED)

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 108 personnel: 108 E1-E4, with a maximum utilization of 108 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities with interior hallways and central latrines do not provide semi-private baths, adequate control of heating and air conditioning, and sufficient room-to-room noise attenuation to adequately house enlisted personnel. This project for 192 personnel allows for the demolition of five small disfunctional, and substandard dormitories totalling 67,500 square feet. These five substandard facilities currently house 140 personnel who will be relocated to the new dormitory. To further reduce the substandard condition, an alteration project for two dormitories is programmed in FY97.

6,000

1. COMPONENT		2. DATE							
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA								
AIR FORCE	(computer generated)								
3. INSTALLATI	ON AND LOCATION								
ANDREWS AIR F	ANDREWS AIR FORCE BASE, MARYLAND								
4. PROJECT TI	TLE 5.	PROJECT NUMBER							
DORMITORY	·	AJXF963006							

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue to prevail if these inefficient and substandard dormitories remain in use.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base paying BAQ/VHA and status quo. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
AIR FORCE	(computer generated)	in
	ION AND LOCATION	
ANDREWS AIR I	FORCE BASE, MARYLAND	
4. PROJECT T	TLE	5. PROJECT NUMBER
DORMITORY		AJXF963006
12. SUPPLEME	ENTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 JUL 18
	Parametric Cost Estimates used to develop of	costs Y
	Percent Complete as of Jan 1995	50%
1 ' '	Date 35% Designed.	94 OCT 15
(e)	Date Design Complete	95 JUN 15
(2) Ba	sis:	
(a)	Standard or Definitive Design -	YES
(b)	Where Design Was Most Recently Used -	ANDREWS
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	80
	All Other Design Costs	389
	Total	469
	Contract	404
(e)	In-house	65
(4) Co	nstruction Start	95 DEC
b. Equipment other appropr	associated with this project will be provide iations: N/A	d from

1. COMPONENT								2. DAT	TE .
FY	1996 MILITA				PROGE	MAS			
AIR FORCE		outer o	1						
3. INSTALLATION AND LO	OCATION			DNAMMO					EA CONST
				DUCAT					T INDEX
COLUMBUS AIR FORCE BAS				RAINI					79
6. PERSONNEL	PERMANE			UDENT			PORT		
STRENGTH	OFF ENL			ENL	CIV	OFF	ENI		
· · · · · · · · · · · · · · · · · ·	374 777	i	132					5 13	- •
b. End FY 2000	378 535				لـــــا			5 13	1,304
	7. INV	ENTORY	DATA	(\$000	<u> </u>				
a. Total Acreage: (100.00	
b. Inventory Total As								120,89	
c. Authorization Not		_						16,10	
d. Authorization Reque								1,15	
e. Authorization Inclu			Progr	am:	(FY)	1997)			0 .
f. Planned In Next For		(ears:		•				15,05	
g. Remaining Deficience	ey:							20,65	
h. Grand Total:	TN MUTC DD	ODAN.	EV 1	006				173,84	
8. PROJECTS REQUESTED	IN THIS PRO	JGRAM:	FI J	סככו		cosi	, ,	PETCN	STATUS
CATEGORY	ברת תותוב			COPE		(\$000	_	START	CMPL
<u>CODE</u> <u>PROJI</u>	ECT TITLE		=	COLE		1,5000	<u>, , , , , , , , , , , , , , , , , , , </u>	DIMI	CHIL
179-511 FIRE TRAINING	FACTI.TTY				LS	1.15	50 M	IAR 94	JAN 95
1/9-511 FIRE HAINING	7 111012111			TOTAL	_	1,19			
9a. Future Projects:	Included	in the	Follo					97) NO	ONE
9b. Future Projects:									
149-962 CONTROL TOWER						2,60	00		
211-153 NONDESTRUCTIV	E INSPECTION	ON		8,600	SF	2,50	00		
FACILITY									
211-179 FUEL SYSTEMS	MAINTENANCE	E DOCK		9,900	SF	1,55	50		
831-165 WASTEWATER TI					MG	8,40			
10. Mission or Major									
Undergraduate Pilot Tr	caining with	n T-37	and 1	8ETA\1	air	craft.	. Ba	ase wil	11
receive T-1 aircraft.									
11. Outstanding polls	ution and sa	afety	(OSH)	defic	ienc:	ies:			
								,	•
a. Air pollution)
b. Water pollut:			_)
c: Occupational	-	healt.	n:) `
d. Other Environ	nmental:							,)

1. COMPONENT						***************************************	2	. DATE
1	F	7 1996 MILITA	ARY CO	ONSTRUC'	TION PR	OJECT DATA	Α	
AIR FORCE		(00	mpute	er gene:	rated)			
3. INSTALLATIO	ON AND	LOCATION			4. PRO	JECT TITL	E	
COLUMBUS AIR	FORCE	BASE, MISSIS	SIPP	I	FIRE T	RAINING F	ACILITY	
5. PROGRAM ELI	EMENT	6. CATEGORY	CODE	7. PRO	JECT NU	MBER 8.	PROJECT	COST(\$000)
	l					1		
8.57.56		179-511		EEP	2963006			1,150
		9.	COST	C ESTIMA	ATES			
							UNIT	COST
		ITEM			ן ע/ש	QUANTITY	COST	(\$000)
FIRE TRAINING	FACIL	ITY			LS			850

			UNIT	COST
ITEM	ש/ט	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			850
SUPPORTING FACILITIES				180
UTILITIES	LS			(80)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(50)
SUBTOTAL				1,030
CONTINGENCY (5%)		•	,	52
TOTAL CONTRACT COST				1,082
SUPERVISION, INSPECTION AND OVERHEAD (6%)				_ 65
TOTAL REQUEST				1,147
TOTAL REQUEST (ROUNDED)				1,150
		·		i
		ĺ		
	1 1]		
		1		
	1 1	İ		l
		1		

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since January 1994; thus, live fire training cannot currently be conducted. Minimal training is conducted using a mock-up structure with no fire or heat capability. This training does not comply with Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT	1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
COLUMBUS AIR FORCE B		
4. PROJECT TITLE	5.	PROJECT NUMBER
FIRE TRAINING FACILITY	TY	EEP2963006

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

Page No

•	1. COMPONENT		2. D	ATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	
	AIR FORCE	(computer generated)		
	3. INSTALLAT	ON AND LOCATION		
				i
		FORCE BASE, MISSISSIPPI	T	
	4. PROJECT T	TLE	5. PROJECT	NUMBER
-	FIRE TRAINING	FACILITY	EEPZ9630	006
				-
	12. SUPPLEME	CNTAL DATA:		
	a. Estimat	ed Design Data:		
	(1) St	24.04		
	, ,	Date Design Started	9.4	MAR 25
	, ,	Parametric Cost Estimates used to develop of		MAK 25
	. , ,	Percent Complete as of Jan 1995	,0565	100%
i	, , ,	Date 35% Designed.	94	SEP 30
	1	Date Design Complete		JAN 30
I		-		•
I	(2) Ba	sis:		
l	(a)	Standard or Definitive Design -	YE	s
	(p)	Where Design Was Most Recently Used -	МО	ODY
	(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
		Production of Plans and Specifications		55
I		All Other Design Costs		25
		Total		80
١	, ,	Contract		55
l	(e)	In-house		25
l	(4) Co	nstruction Start		96 JAN
		•		
ı				

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2. DAT	re .
	FY	1996	MILITA	ARY COI	NSTRUC	TION I	PROGE	RAM	İ		
AIR FORCE			(com	outer o	genera	ited)					
3. INSTALLATI	ON AND LO	CATIC	N		4. CC	MMAND			l		EA CONST
					AIR E	DUCAT	ION				T INDEX
KEESLER AIR F	ORCE BASE	E BASE, MISSISSIPPI AND TRAINING COMMAND								84	
6. PERSONNEL	_	F	ERMANI			UDENTS			PORT		_
STRENGTH		OFF	ENL	CIV			CIV		ENL		
a. As of 30 S	EP 94		3874	l .	594			7		7 97	•
o. End FY 200	0			2152	·			7	34	7 97	10,66
				ENTORY	DATA	(\$000)				
a. Total Acre		•	346)								
b. Inventory										280,07	
c. Authorizat										18,10	
d. Authorizat										6,50	
e. Authorizat					Progr	am:	(FY	1997)			0
f. Planned Ir	Next Fo	ır Pro	gram '	Years:						6,00	
g. Remaining	Deficiend	cy:								13,40	
h. Grand Tota										324,07	/1
8. PROJECTS F	REQUESTED	IN TH	HIS PRO	OGRAM:	FY 1	1996			_		
CATEGORY								COST	_		STATUS
CODE	PROJI	ECT TI	TLE		5	COPE		(\$000)	START	CMPL
721-312 STUD	ENT DORM	ITORY				120 TOTAL	-	6,50 6,50	_	UL 94	JUN 9
9a. Future F	· · · · · · · · · · · · · · · · · · ·	Tnal	ludod	in the	Follo					971 NO	NF
	rojects:									, , , , , , , ,	<u> </u>
	CONTRAC'					1,700		1,70	0		
824-464 UPGF					•	11,,00	LS	4,30			
10. Mission					guarte	ers Se				e; a	
training wing	respons	ible 1	for co	mmunic	ations	s, ele	ctro	nics,	and	·	
administrativ	e course	s and	a C-1	2/C-21	airl	ift sq	uadro	on res	pons	sible :	for
aircrew train	ning; an	Air Fo	orce M	aterie	1 Comr	mand e	ngine	eering	ins	stallat	tion
squadron; an	Air Force	e Rese	erve a	irlift	wing	with	one (C-130	air	lift	
squadron and	one WC-1	30 wea	ather	reconn	aissai	nce sq	uadro	on; an	d a	major	Air
Force medical											
11. Outstand	ding poll	ution	and s	afety	(OSH)	defic	ienc	ies:			
a. Air	pollutio	n:								1	0
	er pollut										0
	pational		ty and	healt	h:						0
	er Enviro										0

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	FITLE
KEESLER AIR FORCE	BASE, MISSISSIPPI	STUDENT DORM	MITORY
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
8.57.96	721-312	MAHG953000	6,500

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
STUDENT DORMITORY (120 PN)				4,345
DORMITORY	SF	42,600	100	(4,260)
AUTOMATIC SPRINKLER PROTECTION	SF	42,600	2	(85)
SUPPORTING FACILITIES				1,450
UTILITIES	LS			(500)
SITE IMPROVEMENTS	LS			(650)
PAVEMENTS	LS			(<u>300</u>)
SUBTOTAL		!		5,795
CONTINGENCY (5%)				290
TOTAL CONTRACT COST	ļ			6,085
SUPERVISION, INSPECTION AND OVERHEAD (6%)				365
TOTAL REQUEST		İ		6,450
TOTAL REQUEST (ROUNDED)				6,500
		İ		
			-	1

10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof system. Includes storage and laundry areas, and all utilities, HVAC, landscaping, fire protection, and support as required. Air Conditioning: 350 Tons. Grade Mix: 120 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a student dormitory. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Adequate on-base living quarters are required to accommodate enlisted students and to ensure that an environment conducive to studying is available. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 120 personnel: 120 E1-E4, with a maximum utilization of 120 personnel. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this installation. Existing substandard facilities were constructed 40 years ago to design standards and criteria in effect at that time. These facilities have central latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and foundation problems.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable and result in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. High building

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	,
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
KEESLER AIR 1	FORCE BASE, MISSISSIPPI	
4. PROJECT T	TLE	. PROJECT NUMBER
STUDENT DORM	TORY	MAHC953000

maintenance and operation costs will continue to impact limited base resources and affect the accomplishment of mission related tasks.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
	DRCE BASE, MISSISSIPPI	
4. PROJECT TIT	CLE	5. PROJECT NUMBER
STUDENT DORMIT	CORY	MAHG953000
12. SUPPLEMEN	ITAL DATA:	
a. Estimate	ed Design Data:	
(1) Sta	:	
1	Date Design Started	94 JUL 15
	Parametric Cost Estimates used to develop of	costs Y
	Percent Complete as of Jan 1995	35%
(d)	Date 35% Designed.	94 DEC 30
(e)	Date Design Complete	95 JUN 30
(2) Bas	is:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	· N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	260
(b)	All Other Design Costs	130
1 ' '	Total	390
1	Contract	260
(e)	In-house	130
(4) Con	struction Start	96 JAN
b. Equipment	associated with this project will be provide	ed from
other appropri		

1. COMPONENT								2.	DAT	Έ	
	7 1996 MILITA				PROGI	RAM					
AIR FORCE		outer o						_			
3. INSTALLATION AND I	LOCATION		4. CC	DMMAND						A CO	
		_			2010	(3.31D		4		T IN	DEX
WHITEMAN AIR FORCE BA				COMBAT					- i i	05	
6. PERSONNEL	PERMANI			TUDENT		SUP			-,,		N T
STRENGTH a. As of 30 SEP 94	OFF ENL	671	OFF	ENL	CIV	OFF 9		, C			325
	306 2495		1			29		3 1	- 1		525 618
b. End FY 2000			<u> </u>	(6000	<u> </u>	29		3 1 1	00	٠, ١	010
n Matal Paragram (7. INVI	ENTORI	DATA	(\$000	<u> </u>			· · · · · · · · · · · · · · · · · · ·			
a. Total Acreage: (ווגם מים						562	24	1	
b. Inventory Total As								118	-		
c. Authorization Notd. Authorization Reg		_	~~~~.					24			
e. Authorization Requie. Authorization Inc.				m.	/EV '	10071					
f. Planned In Next Fo					(FI .	1991)		23			
1		lears.		•					, 83 , 82		
g. Remaining Deficien	icy:							792	-		
h. Grand Total: 8. PROJECTS REQUESTER	TN TUTE DO	CDAM.	trv ·	1996				172	, 14		
CATEGORY	YN TUTO BK	: MANDC	FI.	1990		COST	r	EST4	CN	STATI	15
	JECT TITLE			SCOPE		(\$000	_	STA		CMI	_
CODE PRO	DECT TITLE		=	COPE		(3000	L	SIM		CM	-1
113-321 B-2 ADD TO A		ON/			LS	1,500) A	APR S	94	SEP	95
	FLIGHT SIMULA	ATOR	:	15,000	SF	4,10	o c	CT	90	SEP	95
211-173 B-2 AIRCRAF	r MAINTENANCE			52,500	SF	15,50	0 4	PR	94	SEP	95
•	ANT FUELING			_							۰.
880-232 B-2 ADD TO PROTECTION	AND ALTER DOO SYSTEMS	CK FIRI	Ξ		-		_	APR '	94	SEP	95
				TOTAL		24,60					
9a. Future Projects		in the	Follo	owing 1				97)			
831-155 INDUSTRIAL V					LS	1,20	0				
PRETREATMEI	NT FACILITIE:	S			-		_				
				TOTAL		1,20	<u> </u>				
9b. Future Projects:	Typical P	Lanned					^				
442-758 WAREHOUSE			10	000,000		9,90					
740-443 TRANSIENT LO		-			UN	75					
740-674 PHYSICAL FI			:	14,500		-					
851-147 B-2 BASE RO				6,000							
880-232 ADD TO AND A					LS	6,20	υ				
SUPPRESSION											
10. Mission or Major	Functions:	A bor	mb wi	ng wit	h on	e squa	dro	n of	B-	-2	
aircraft; an Air Ford											
Minuteman II interco											
inactive by FY 96/1)		ircraf	t; and	an A	ır F	orce R	ese	rve	IIC	gnter	
wing with one A/AO-10											
11. Outstanding pol	lution and sa	afety	(OSH)	defic	ienc	ies:					
a. Air pollutio	on:							3,	000)	
b. Water pollu								14,	190)	
c. Occupational		healt	h:						()	
d. Other Enviro									()	

1. COMPONENT									12	DATE
1. COMPONENT	F.	V 1996 MILTTADV C	OMETRIC	r T O N	מם ז	ስ ፣ ድርጥ	ייער	Λ	2.	DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)										
3. INSTALLATION AND LOCATION 4. PROJECT TITLE										
								_	APR	ON /
B-2 ADD TO AIRCRAFT APRON/ WHITEMAN AIR FORCE BASE, MISSOURI CONVOY ROAD/TAXIWAY										
	5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT						CT (COST(\$000)		
1.11.27C		113-321	YWHO							1,500
		9. COS	r estima	TES		r				
		•		- 1				LIND		COST
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		ITEM			ש/ט	QUANT	YTI	COSI	<u> </u>	(\$000)
	RCRAFT	r APRON/ CONVOY		ļ						
ROAD/TAXIWAY APRON AND T	D V T. (D)	7		ı	LS	7.0	00		-	1,011
CONVOY ROAD		4		į.	SY SY	7,0 8,0			93	(
SUPPORTING FA		rre		- 1	31	8,0	00		45	(360) 350
HYDRANT OUT		LES			EA	î	2	100,0	أمما	(200)
SITE IMPROV		3		i	LS		-	100,0		(200)
SUBTOTAL		•								1,361
CONTINGENCY (5%)			ì						68
TOTAL CONTRAC	•	•								$\frac{38}{1,429}$
SUPERVISION,	INSPEC	TION AND OVERHEAD	(6%)							86
TOTAL REQUEST							ĺ			1,515
TOTAL REQUEST	(ROUN	IDED)		ļ					ļ	1,500
										•
					İ				Ì	
					}					

- 10. Description of Proposed Construction: Level and grade site; install drainage tile and pipe, and tie into drainage system; construct rigid pavement aprons and taxiway and a munitions convoy route rated for heavy loading. Install hydrant fueling outlets and other necessary support.
- 11. REQUIREMENT: 773,141 SY ADEQUATE: 758,141 SY SUBSTANDARD: PROJECT: Add to B-2 aircraft apron, convoy road, and taxiway. (New

REQUIREMENT: This project constructs access pavements to the new FY96 maintenance docks (docks 11 & 12) from existing taxiway. It also provides access pavement for munitions trailers to enter the back side of the new maintenance docks from an existing convoy road. Munitions must be loaded from the back of the aircraft per system design. Two hydrant outlets are required to support refueling operations for the aircraft.

CURRENT SITUATION: There are no existing access aprons, taxiways, or munitions convoy roads for providing access to the new aircraft maintenance docks #11 and #12, which are being constructed in FY96. No refueling outlets are currently available to support refueling for the aircraft.

IMPACT IF NOT PROVIDED: There will be no pavement areas surrounding the new maintenance docks to allow access by the aircraft or munitions vehicles and trailers. There will also be no hydrant refueling outlets to support the aircraft which are sheltered and maintained in the new docks. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation by the prime contractor.

. COMPONE	TT .		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
IR FORCE	(computer generated)		
. INSTALL	ATION AND LOCATION		
	R FORCE BASE, MISSOURI	· · · · · · · · · · · · · · · · · · ·	
. PROJECT	TITLE	5. PR	OJECT NUMBE
אם ממג ב-	ATROPAEM APPON / CONTON POAR / MAYTING		
-2 ADD TO	AIRCRAFT APRON/ CONVOY ROAD/TAXIWAY	Y W	HG969206
2. SUPPL	MENTAL DATA:		
2. 00112	THATTHE DATA.		
a. Esti	ated Design Data:		
	3		
(1)	Status:		
	a) Date Design Started		94 APR 0
	b) Parametric Cost Estimates used to devel	op costs	
	c) Percent Complete as of Jan 1995		35
	d) Date 35% Designed.		94 SEP 0
	e) Date Design Complete		95 SEP 3
(2)	Basis:		
	a) Standard or Definitive Design -		YES
	b) Where Design Was Most Recently Used -		WHITEMA
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$00
•	a) Production of Plans and Specifications		9
1	b) All Other Design Costs		5.
	c) Total		14
(d) Contract		
(e) In-house		14
(4)	Construction Start		96 FE
			30 FB:
	•		

other appropriations: N/A

1. COMPONENT	····							12.	DATE
1. COMPONENT	ਸ \	7 1996 MILTTADV C	ראנומייפווריי	יוסא פ	RC	OJECT DAT	'A		2.11.2
FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)							••		
	IN A MC		er gener			JECT TITI	.F		
						TO FLIC		MIIT	מחתה
CHITTENAN ATD I	1 -							.101.	HIOK
		6. CATEGORY CODE				NG FACILI		~T	COST (SOOO)
5. PROGRAM ELE	TWENT	6. CATEGORI CODE	7. PROC	ECI N	O.	THER IO.	FROOD	J	(\$000)
1.11.27C		171-212	VWHO	96920	3				4,100
1.11.270			r ESTIMA		Ť				1,100
							TUNI	r	COST
	ITEM				м	QUANTITY	cos	Γ	(\$000)
B-2 ADD TO FLI	GHT S	SIMULATOR TRAINING	3						
FACILITY				SF		15,000	:	200	3,000
SUPPORTING FAC	CILIT	ES			-				695
UTILITIES				LS					(220)
PAVEMENTS				SY	ļ	9,300	ŀ	35	(325)
SITE IMPROVE	MENTS	5		LS	- 1	•			(115)
RED/BLACK PO	WER S	SEPARATION		LF		9,000		4	(35)
SUBTOTAL				1			}		3,695
CONTINGENCY (5	%)								185
TOTAL CONTRACT									3,880
SUPERVISION, I	NSPEC	CTION AND OVERHEAD	(6%)						233
TOTAL REQUEST									4,113
TOTAL REQUEST	(ROUN	IDED)		İ					4,100
EQUIPMENT FROM	OTHE	R APPROPRIATIONS	(NON-AD	D)	Ì				(19,000)

10. Description of Proposed Construction: Addition to an existing simulator facility which will include site improvements, foundations, reinforced concrete, masonry and steel structure, electric, water, high bay simulator area with overhead crane, fire protection, security and communication systems, raised computer floors, pavements, red/black power separation, and other necessary support.

Air Conditioning: 150 Tons.

11. REQUIREMENT: 35,000 SF ADEQUATE: 20,000 SF SUBSTANDARD: PROJECT: Add to a B-2 flight simulator training facility. (New Mission) REQUIREMENT: The B-2 mission requires an adequate facility, properly sized and configured, to house three flight simulators for classified mission qualification and continued flight training. This addition to the existing simulator facility will house the third flight simulator and associated areas to support B-2 classified advanced upgrade training. Associated support spaces include instructor offices, administrative support areas, environmentally controlled computer support, weapon systems operator training areas, security control, mechanical and equipment maintenance rooms, and contractor support areas. A secure facility is required for highly classified materials and training simulations. Red/black electrical power separation is necessary to prevent the unauthorized access to classified signal emissions. CURRENT SITUATION: The existing Combat Crew Training Squadron (CCTS) facility currently houses two equipment simulators and cannot accommodate the third equipment simulator that has been purchased as part of the

initial buy of B-2 aircraft. The simulator is in development and is scheduled for delivery in FY 97. The first two simulators support the day-to-day training requirements of the B-2 combat crew training unit and

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE

5. PROJECT NUMBER

B-2 ADD TO FLIGHT SIMULATOR TRAINING FACILITY

YWHG969203

one operational squadron. The third simulator will be used to provide advanced B-2 training for the second operational squadron. There is no other existing facility available to house the simulator for operation. The simulator will be stored in a secure warehouse until the construction of this project is complete.

IMPACT IF NOT PROVIDED: Without this project, a facility will not be available for the third simulator. The third simulator will not be available to provide B-2 training. This action will restrict the units ability to meet operational training requirements. Combat training, flight qualification, and emergency and safety procedures training will not be fully performed. The unit's mission readiness will be severely degraded.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." The scope of this project was developed with participation by the prime contractor. The simulator will be installed by a contractor, with funds from other B-2 appropriations. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, new construction) was done. New construction is the only option that can meet mission requirements. Because of this a full economic analysis was not performed. A certificate of exception has been prepared.

4			······································	
1. COMPONENT	TPV 1006 NT	TITADU GONGESSASS		2. DATE
AIR FORCE	LI 1990 WI	LITARY CONSTRUCTION (computer generate		
	ON AND LOCATIO		<u> </u>	
		- '		
WHITEMAN AIR	FORCE BASE, MI	SSOURI		
4. PROJECT TI	TLE		5. P	ROJECT NUMBER
B-2 ADD TO FI	JIGHT SIMULATOR	TRAINING FACILITY	Y	WHG969203
12. SUPPLEME	NTAL DATA:			
12. BOFFEERE	MINL DAIR:			
a. Estimat	ed Design Data:	•		
	,			·
(1) St				
	Date Design S			90 OCT 20
		ost Estimates used t	o develop costs	Y
		lete as of Jan 1995	•	35%
	Date 35% Desi Date Design O			94 APR 04
(6)	bace besign (complete		95 SEP 09
(2) Ba	sis:			
(a)	Standard or D	efinitive Design -		NO
(b)	Where Design	Was Most Recently U	sed -	N/A
		(a) + (b) or (d) +		(\$000)
		Plans and Specific	ations	246
	All Other Des	ign Costs		182
	Contract			428
	In-house			246 182
` '				182
(4) Co	nstruction Star	t		96 JAN
Paulmant				
. Equipment ther appropri	associated wit	h this project will	be provided fro	om
ener appropri	acions.			
			FISCAL YEAR	
EQUI	PMENT	PROCURING	APPROPRIATED	COST
NOMEN	ICLATURE	APPROPRIATION	OR REQUESTED	(\$000)
			-	(4333)
-2 SIMULATOR		3010	1989	19000
				·

1. COMPONENT									2.	DATE
	F	Y 1996 MILITARY C	ONSTRUC!	TION	PRO	OJECT D	ATA	.		
AIR FORCE (computer generated)										
3. INSTALLATI	ON ANI	LOCATION		4. P	PRO	JECT TI	TLE	;		
			:	B-2	AII	RCRAFT	MAI	NTENA	NCE	E
WHITEMAN AIR FORCE BASE, MISSOURI DOCKS/HYDRANT FUELING SYSTEM										
5. PROGRAM EI	EMENT	6. CATEGORY CODE	7. PROS	JECT	NUN	MBER 8	3. P	ROJEC	T	COST(\$000)
1.11.27C		211-173		39692	202					5,500
		9. COS'	r Estim?	ATES		 	Т.			
		70.704						UNIT	1	COST
D O ATDODADO	\/	ITEM		- 10)/M	QUANTI	TY	COST		(\$000)
B-2 AIRCRAFT FUELING SYSTE		ENANCE DOCKS/HYDRA	ANT				ł			10.056
AIRCRAFT MA		NOT DOOKS			F	52,50		•	_	12,256
HYDRANT FUE				1 -	s	52,50	"	1	60	(8,400)
SUPPORTING FA					در					(3,856) 1,685
UTILITIES	CILLI	125			.s	•			ŀ	(375)
SITE IMPROV	TEMENTS	3			ıs		ł		- 1	(440)
AIRFIELD PA		=		1-	s					(430)
BLAST DEFLE					s		1			(440)
SUBTOTAL]	13,941
CONTINGENCY (5%)									697
TOTAL CONTRAC	T COST	r								14,638
SUPERVISION, INSPECTION AND OVERHEAD (6%)									878	
TOTAL REQUEST	ì				ı		ļ			15,516
TOTAL REQUEST	(ROUI	IDED)								15,500

10. Description of Proposed Construction: Steel frame structures with powered hangar doors and fire protection. Integrated Technical Data System (ITDS), Consolidated Aircraft Maintenance System (CAMS) and security, oil/water separator, fuel piping from hydrant loop, blast deflectors, Consolidated Aircraft Support Systems (CASS), and all support. Retrofit 14 existing B-2 docks with humidity control and utility outlets. Air Conditioning: 130 Tons.

11. REQUIREMENT: 414,160 SF ADEQUATE: 256,660 SF

SUBSTANDARD: 52,500 SF

PROJECT: Construct two B-2 aircraft maintenance docks and hydrant fueling system. (New Mission)

REQUIREMENT: This project will provide two maintenance docks, a hydrant fueling system, and retrofit existing docks with humidity control and utility outlets. A total of 18 enclosed maintenance spaces are required (14 maintenance docks, 2 maintenance hangars, 1 fuel cell, and 1 corrosion control facility). Fourteen spaces have already been provided and the final 2 docks (13 and 14) will be programmed in a future program. The B-2 maintenance docks are constructed in pairs because they share a common hydrant fuel/CASS area. Covered spaces are required to protect the composite materials used on low observable aircraft. The rear of the dock must be constructed to withstand the jet blast of the aircraft as it taxies out. Rear doors are sized for access by munitions loading trailers. The dock must be securable to prevent unauthorized access. These docks are being constructed in phases to accommodate aircraft delivery and to take advantage of economies of scale. Refueling and CASS provisions are required at each space. CURRENT SITUATION: Three maintenance spaces (fuel cell, corrosion control

1. COMPONENT			2.	DATE
	FY	1996 MILITARY CONSTRUCTION PROJECT DATA		
AIR FORCE		(computer generated)	.	
3. INSTALLATI	ON AND	LOCATION		

WHITEMAN AIR FORCE BASE, MISSOURI

4. PROJECT TITLE

5. PROJECT NUMBER

B-2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM

YWHG969202

and one dock) were provided through the FY 88 MILCON and three in FY 89 MILCON (alter existing hangar = 2 spaces, and 1 dock). Two maintenance docks are in FY 91, two in FY 93, two in FY 94, and two in FY 95. This project constructs two docks and two additional spaces will be programmed in future programs. No additional facilities are available to convert to covered spaces for aircraft already authorized.

IMPACT IF NOT PROVIDED: Without complete capability to service the aircraft while on the ground, aircraft availability 'will be reduced and mission effectiveness will suffer. Such tasks as structural and propulsion maintenance, which have to be performed frequently, will take much longer. Repaint downtimes will also increase. Turn-around times will be adversely affected.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime aircraft contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. New construction is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

FY 1996 MILITARY CONSTRUCTION PROJECT R FORCE (computer generated) INSTALLATION AND LOCATION ITEMAN AIR FORCE BASE, MISSOURI PROJECT TITLE 2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	5. PR	OJECT NUMBER
INSTALLATION AND LOCATION ITEMAN AIR FORCE BASE, MISSOURI PROJECT TITLE		OJECT NUMBER
PROJECT TITLE		OJECT NUMBER
PROJECT TITLE		OJECT NUMBER
PROJECT TITLE		OJECT NUMBER
		OJECT NUMBER
2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	YW	
2 AIRCRAFT MAINTENANCE DOCKS/HYDRANT FUELING SYSTEM	YW	
		HG969202
. SUPPLEMENTAL DATA:		
. SUPPLEMENTAL DATA:		
a. Estimated Design Data:		
a. 2002a.00a 2022g 2a02.		
(1) Status:		
(a) Date Design Started		94 APR 04
(b) Parametric Cost Estimates used to develo	p costs	Y
(c) Percent Complete as of Jan 1995	-	35%
(d) Date 35% Designed.		94 SEP 09
(e) Date Design Complete		95 SEP 30
(2) Basis:		
(a) Standard or Definitive Design -		YES
(b) Where Design Was Most Recently Used -		WHITEMAN
(3) Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a) Production of Plans and Specifications		628
(b) All Other Design Costs		
(c) Total		628
(d) Contract		628
(e) In-house		
(4) Construction Start		96 FEB
Equipment associated with this project will be prov	ided fro	m

other appropriations: N/A

	1. COMPONENT				2.	DATE
		FY 1996 MILITARY C	ONSTRUCTION PR	OJECT DATA	A.	
-	AIR FORCE	(comput	er generated)			
	3. INSTALLATIO	ON AND LOCATION	4. PRO	JECT TITLE	£	
			B-2 AD	D TO AND A	ALTER DO	OCK FIRE
	WHITEMAN AIR F	FORCE BASE, MISSOURI	PROTEC	TION SYSTE	EMS	
	5. PROGRAM ELE	EMENT 6. CATEGORY CODE	7. PROJECT NU	MBER 8. I	PROJECT	COST(\$000)
				1		
ĺ	1.11.27	880-232	YWHG969204			3,500
ĺ		9. cos	T ESTIMATES			
I					UNIT	COST
l		፣ ጥ ድΜ	III/M	CILANTITY	COST	(\$000)

IMPN	77 / 14	OUR NET TO	UNIT	COST
B-2 ADD TO AND ALTER DOCK FIRE	U/M	QUANTITY	COST	(\$000)
PROTECTION SYSTEMS	SF	144 000	10	2 500
SUPPORTING FACILITIES	Sr.	144,000	18	2,592
	1.0			425
UTILITIES	LS			(425)
SUBTOTAL				3,017
CONTINGENCY (10%)				302
TOTAL CONTRACT COST				3,319
SUPERVISION, INSPECTION AND OVERHEAD (6%)				<u> 199</u>
TOTAL REQUEST]			3,518
TOTAL REQUEST (ROUNDED)				3,500
				ļ
				İ
				ļ
		1		

- 10. Description of Proposed Construction: Retrofit two existing B-2 maintenance docks for advanced technology fire protection by installing the inverted deluge system (IDS). Includes utilities, telemetry, fire department tie-ins and necessary support.
- 11. REQUIREMENT: As required.

PROJECT: Add to and alter dock fire protection systems with installation of IDS advanced technology fire suppression in two of the eight existing docks. (New Mission)

REQUIREMENT: National Fire Protection Association (NFPA) and implementing Air Force Policy require aircraft maintenance areas be provided with a pre-action closed-head aqueous film forming foam (AFFF) sprinkler system with rate compensation devices. The IDS is required in all B-2 maintenance docks. A fire must be detected and extinguished within 17-20 seconds to prevent damage or delamination of the composite materials used on the exterior surfaces of the B-2 bomber.

CURRENT SITUATION: The development of advanced technology (stealth) composite materials for the exterior surfaces of the B-2 bomber has introduced a shorter time factor for detection and suppression of a fire before damage occurs. Fire protection/suppression technology has been developed and tested to react to this new requirement and must be retrofitted into eight existing B-2 maintenance docks. Two docks were programmed for retrofitting with IDS in FY95 and two more docks will be completed with this project. Another project in a future year will be programmed to complete installation of IDS in the remaining four docks. All future maintenance docks will include IDS during construction.

IMPACT IF NOT PROVIDED: The most effective available fire protection technology will not be in place to protect a very valuable and limited Air

1. COMPONENT AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT (computer generated)	DATA	2. DATE
	ION AND LOCATION FORCE BASE, MISSOURI		
4. PROJECT TI	ITLE ND ALTER DOCK FIRE PROTECTION SYSTEMS		PROJECT NUMBER YWHG969204

Force resource, the B-2 Stealth Bomber.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". The scope of this project was developed with participation from the prime contractor. A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade/removal, new construction, leasing) was done. Upgrade is the only option that could meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	·
IR FORCE	(computer generated)		
. INSTALLATION	N AND LOCATION		
HITEMAN AIR FO	ORCE BASE, MISSOURI		
. PROJECT TITI		5. PRO	OJECT NUMBER
-2 ADD TO AND	ALTER DOCK FIRE PROTECTION SYSTEMS	YWE	IG969204
2. SUPPLEMENT	TAL DATA:		
a. Estimated	d Design Data:		
(1) Stat	cus:		
` (a)	Date Design Started		94 APR 04
(b)	Parametric Cost Estimates used to develop	costs	Y
(c)	Percent Complete as of Jan 1995		35%
(d)	Date 35% Designed.		94 AUG 17
(e)	Date Design Complete		95 SEP 30
(2) Basi	Ls:		
(a)	Standard or Definitive Design -		YES
(b)	Where Design Was Most Recently Used -		WHITEMAN
(3) Tota	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a)	Production of Plans and Specifications		210
(b)	All Other Design Costs		24
(c)	Total		234
(d)	Contract		
(e)	In-house		234
(4) Cons	truction Start		95 DEC

1. COMPONENT		······································							2	. DAT	E		
	FY	1996 MI	LITA	RY COI	STRUC	TION	PROGI	RAM	-				
AIR FORCE		(comp	uter d	genera	ited)			ĺ				
. INSTALLATI	ON AND LO					MMAND)		5	. ARE	A CONST		
										cos	T INDEX		
NELLIS AIR FO	RCE BASE,	NEVADA			AIR C	OMBAT		1.11					
5. PERSONNEL								PORTE	RTED				
STRENGTH	Ι	OFF E	NL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
a. As of 30 S	SEP 94	891 6	317	1064			1	8		254	8,561		
o. End FY 200	00	775 5	391	838				8	27	254	7,293		
		7.	INVE	NTORY	DATA	(\$000))						
. Total Acre	eage: (24,419)										
. Inventory	Total As	Of: (3	O SE	P 94)					3	75,96	3		
. Authorizat	ion Not Y	et In I	nvent	tory:						11,48	0		
d. Authorizat										10,50	0		
e. Authorizat	ion Inclu	ded In	Foll	owing	Progr	am:	(FY	1997)		1,35	0 .		
f. Planned Ir	Next Fou	r Progr	am Ye	ears:		· ·				12,09	6		
g. Remaining	Deficienc	у:								35,65			
n. Grand Tota									4	47,03	9		
B. PROJECTS F	REQUESTED	IN THIS	PRO	GRAM:	FY]	996							
CATEGORY								cos	_		STATUS		
CODE	PROJE	CT TITL	·Ε		5	COPE		(\$000	<u>)) </u>	TART	CMPL		
721-315 VIS						210		9,90			APR 9		
371-183 UPGF	RADE STORM	DRAINA	GE S	YSTEM			LS			R 94	JUL 95		
						TOTAL		10,50					
a. Future I	-			n the	FOLIC	wing				77)			
	JSTRIAL WA						LS	1,39	50		•		
PRI	ETREATMENT	FACILI	TIES			moma r		1 70	.				
			1 51		Nont	TOTAL		1,3		· •••	-		
	Projects:		II PI	anneu				3,59	36				
141-456 OPE			ם ממשו		-	17,000	5 PN	8,50					
721-315 VIS 10. Mission	TING AIRM	EN QUAR	CTERS	7: 1	Wo we an					vina t	hat		
includes the													
includes the fighter squad	weapons s	cuoor (W-10	, r-1	o, r	(Bod	Flac	-10 a.	rect o	conadr	·On		
											011		
(F-4G, F-15 a (Thunderbirds													
Crnunderbirds School; a joi	s), and a	nn-00 1	. escu	e squ	riorl	, All	OH OF	PSF S	madro	on: ar	nd an		
Air Force Mat							20 110	KDL D	quuuz	J, u.			
	ding pollu						rienc	ies:					
ll. Outstand	ing portu	icion a.	.a 5a	rccy	(00)								
a. Air	pollution	•								4,850)		
	er polluti								:	15,690			
	portuti pational		and	healt	h:				·		_		
	er Environ	_			-					Ċ			
a. Other	EL BIIVITOI	mencat.	•										

1. COMPONENT									2.	DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA										
AIR FORCE		(comput	er gene:	rate	ed)						
3. INSTALLATI	PRO	JECT 1	CITL	Ε							
NELLIS AIR FO						NG QUA	RTE	RS			
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	JECI	CT NUMBER 8. PRO			PROJEC	JECT COST(\$000		
		•	1								
2.75.96C		721-315	1		3008					9,900	
		9. cos	T ESTIM	ATES	3						
								rinu		COST	
		ITEM				QUANT		COSI		(\$000)	
VISITING QUAR					SF	66,0				7,062	
VISITING QU					SF	66,0	1		.05	(6,930	
		LER PROTECTION		- 1	SF	66,0	00		2	(132	
SUPPORTING FA	CILITI	IES								1,830	
UTILITIES				- 1	LS					(655	
PAVEMENTS					LS					(560	
SITE IMPROV	EMENTS	5			LS	î			İ	(615	
SUBTOTAL				- 1						8,892	
CONTINGENCY (•			- 1			•			445	
TOTAL CONTRAC	T COSI	?					- 1		İ	9,337	
SUPERVISION,	INSPEC	CTION AND OVERHEAD	ጋ (6%)	ļ			- 1			560	
TOTAL REQUEST				ŀ						9,897	
TOTAL REQUEST	(ROUN	IDED)					ľ		Ì	9,900	
							į				
									- 1		
				- 1			- 1		ı		

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls, and metal roof. Includes room with private bath modules, laundry facilities, small exercise area, lounge area, TDY processing center, and other necessary support. Air Conditioning: 150 Tons. Grade Mix: 10 04-010; 100 E1-E4; 100 E5-E6.

11. REQUIREMENT: 1,058 PN ADEQUATE: 498 PN SUBSTANDARD: 0
PROJECT: Construct visiting quarters. (Current Mission)
REQUIREMENT: This is a Level I Commanders' Facility Assessment
requirement. Nellis AFB hosts major exercises designed to maintain and
enhance the combat-readiness of Air Force fighter and bomber aircrew and
aircraft support personnel. These exercises include Red Flag, Green Flag,
and Air Warrior. During these exercises, large numbers of personnel
stationed at other installations throughout the United States are
temporarily assigned to Nellis AFB, generating a significant demand for
temporary quarters.

CURRENT SITUATION: Nellis AFB has a severe shortage of transient quarters and is able to accommodate less than half the average nightly demand. Additionally, the demand for rooms exceeds the supply more than 75 percent of the time. The average number of bedspaces required per night is 1058 (officers and enlisted combined) and the on-base capacity is only 498. Personnel who cannot be accommodated on-base are sent to hotels and motels in the Las Vegas area. Personnel assigned to these off-base accommodations require transportation to the base and typically spend an average of one hour daily commuting back and forth from the hotel to the flightline/exercise area. Flag exercises are held an average of five times per year and run for six weeks, generating approximately half the

	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ГA	
_	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	NELLIS AIR FORCE BASE, NEVADA		
	4. PROJECT TITLE	5. I	PROJECT NUMBER
	·	ĺ	
	VISITING QUARTERS	F	RKMF953008

total transient population at Nellis AFB. The number of personnel participating in these exercises often brings the nightly demand for bedspaces up to 2,000, resulting in a need to house up to 1,500 persons off base. While this project will not provide a facility capable of housing all exercise personnel during these peak periods, the numbers of key and essential personnel sent off base will be considerably reduced. Currently, Nellis AFB annually contracts for over 218,000 bed-nights in the Las Vegas area at a cost of approximately \$4.2 million per year, not including increased costs for transportation and food allowance. At the completion of this project, the annual requirement for off-base accommodations will be reduced to 71,000 bed-nights, a net reduction of 67 percent.

IMPACT IF NOT PROVIDED: Large numbers of exercise participants will continue to be housed off-base at increased costs. The Air Force will continue to pay lodging and per diem to the personnel housed off-base, resulting in a much higher annual cost than on-base accommodations.

ADDITIONAL: This project meets the criteria/scope specified in Part II of MIL-HNBK 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, "Fire Protection for Facilities". Cost for fire protection systems is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.

. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	<i>4</i>
IR FORCE		(computer generated)	
. INSTAL	LATIC	ON AND LOCATION	
ELLIS AI	R FO	RCE BASE, NEVADA	
. PROJEC	T TIT	TLE 5	PROJECT NUMBER
ISITING	QUART	TERS	RKMF953008
2. SUPP	LEMEN	VTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	atus:	
		Date Design Started	93 SEP 13
	(b)	Parametric Cost Estimates used to develop co	sts }
		Percent Complete as of Jan 1995	359
		Date 35% Designed.	93 NOV 04
	(e)	Date Design Complete	95 APR 15
(2)	Bas	sis:	
	(a)	Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	375
		All Other Design Costs	240
	(C)	Total	615
	(d)	Contract	
	(e)	In-house	615
(4)	Con	struction Start	95 NOV
Equipm her appr		associated with this project will be provided ations: N/A	

DD FORM 1391C, DEC 76

1. COMPONENT									1	2. DATE		
	FY	1996		ARY COI			PROGE	RAM				
AIR FORCE				outer o								
3. INSTALLATION AND LOCATION 4. COMMAND									1	5. AREA CONST		
					AIR MOBILITY					COST INDEX		
MCGUIRE AIR FO	DRCE BASE				COMMAND					1.19		
6. PERSONNEL	4		ERMANI			UDENT			PPORT		 	
STRENGTH	4		ENL		OFF	ENL	CIV	OFF	ENL			
a. As of 30 SE				1596						231		
b. End FY 2000)			1514	L				L	231	5,812	
<u> </u>				ENTORY	DATA	(\$000	<u> </u>					
a. Total Acrea		-	02)									
b. Inventory										243,98		
c. Authorizati										47,40		
d. Authorizati										9,20		
e. Authorizati							(FY]	1997)		6,20		
f. Planned In			gram '	ears:		•				15,20		
g. Remaining I		y:								57,22		
h. Grand Total										379,20	06	
8. PROJECTS RE	EQUESTED	IN TH	IS PRO	OGRAM:	FY]	.996						
CATEGORY					_			COST			STATUS	
CODE	PROJE	CT TI	TLE		5	COPE		(\$000	<u>))</u>	START	CMPL	
				1								
141-753 KC-10	-			-		1,500	SF	7,60)U J	UL 94	SEP 95	
	CRAFT MAI			VIT FAC	3			2 ((04	340 05	
179-511 FIRE	TRAINING	FACI	LITY			mom > 7	LS _			UL 94	AUG 95	
O. Future P.		T1		- + -	E-11-	TOTAL:		9,20		071		
9a. Future Pr										97)		
1	RON OPER		•		3	1,600	51	6,20	,0			
MAIN	TENANCE	ONIT	FACIL.	111		momat.		6,20				
9b. Future Pr	·oioata.	Turni	anl Pi	lannod	Novt	TOTAL:			,,,			
721-312 ALTER	_		Cai Pi	Lanneu	Next	252		 8,00	00			
721-312 ALTER							PN	•			į	
880-212 DELUG						224	LS	1,60				
10. Mission o			ionge	Hoade	vii a rt c	re Tu				Force		
air mobility w	_				-		_					
east coast Air												
Mobility Warfa		_										
											311	
mobility wing;		WIL N	ationa	ıı Gual	LU All	rerue	=11110	A MTII	A MTC	ıı cwo		
KC-135 squadro		tion	and c	fety	(025)	defic	ienci	86.				
11. Outstandi	nd borrn	CION	and Se	arecy	(OSR)	uerro.	renc1					
	001111+40-									3,700	1	
-	ollution									•	0	
	polluti		., مــه	hon141	. •					1,60	=	
	oational		-	nearti	1.2						0	
d. Other	Environ	menta	Τ:							,	J	
1												

1. COMPONENT					1	DATE				
	F	Y 1996 MILITARY C	rion PR	OJECT DAT	'A					
AIR FORCE (computer generated)										
3. INSTALLATI	ON ANI	LOCATION	4. PROJECT TITLE							
			KC-10	KC-10 SQUADRON OPERATIONS/						
MCGUIRE AIR F	ORCE I	BASE, NEW JERSEY	AIRCRA	AIRCRAFT MAINTENANCE UNIT FAC						
		6. CATEGORY CODE	7. PRO	JECT NU	MBER 8.	PROJECT	COST(\$000)			
							, , , , , , , , , , , , , , , , , , , ,			
4.12.19		141-753	PTF	2953012	İ		7,600			
			T ESTIM				.,,,,,,			
						UNIT	COST			
		ITEM		11 /M	QUANTITY		(\$000)			
KC-10 SOMADAC	N OPE	RATIONS/ AIRCRAFT	 -	- 10/M	QUANTITI	CO31	(\$000)			
MAINTENANCE U		•		SF	41 500	1 ,,,	5 010			
				SF.	41,500	140	1			
SUPPORTING FA	CILITI	LES					990			
UTILITIES		_		LS			(375)			
SITE IMPROV	EMENTS	5		LS			(200)			
PAVEMENTS				LS			(260)			
DEMOLITION/	ASBEST	OS REMOVAL/DISPO	SF	2,500	22	(55)				
ELEVATOR			EA	1	100,000	(100)				
SUBTOTAL							6,800			
CONTINGENCY (5%)				1	340				
TOTAL CONTRAC	T COSI	•				7,140				
				I .		i				

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support. Air Conditioning: 85 Tons.

11. REQUIREMENT: As required.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6%)

PROJECT: Construct a KC-10 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the addition of 10 KC-10s expected in the 4th quarter of FY94. A total of 24 KC-10s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, standardization/evaluation, locker rooms, life support, flying/ground safety, tool rooms, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. CURRENT SITUATION: There are no adequate facilities to support consolidated Sq Ops/AMU operations in support of wide framed aircraft at McGuire AFB. Currently there are eight operations and maintenance facilities in use. These facilities provide only half of the required

428

7,568

7,600

1. COMPONENT		2. DATE								
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA								
AIR FORCE	(computer generated)									
3. INSTALLAT	3. INSTALLATION AND LOCATION									
MCGUIRE AIR I	FORCE BASE, NEW JERSEY									
4. PROJECT T	ITLE	5. PROJECT NUMBER								
KC-10 SQUADRO	ON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	PTFL953012								

space to support the much larger unified KC-10 operations and maintenance functions. The operations' facilities are also overcrowded, improperly configured, and physically separated from the squadron maintenance personnel on the flightline. This creates fragmented lines of communications/authority. Aircrews and maintainers spend many hours away from duty location in an effort to obtain parts, organizational and mobility equipment, and required training. Other inefficiencies include lack of space for mission planning and briefings, inadequate space for storage and equipment storage, and inadequate electrical and mechanical systems. Most of the existing facilities will be reused to meet other mission requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT D	PATA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MCGUIRE AIR FORCE BASE, NEW JERSEY	
4. PROJECT TITLE	5. PROJECT NUMBER
No. 40. Company of the Company of th	
KC-10 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	PTFL953012
10 GUDDY DVDVDAY DAGA	
12. SUPPLEMENTAL DATA:	
a Patiented Design Date:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 JUL 15
(b) Parametric Cost Estimates used to develop	
(c) Percent Complete as of Jan 1995	_
(d) Date 35% Designed.	45% 94 OCT 05
(e) Date Design Complete	95 SEP 15
, , ===== ==== <u>=</u>	93 SEP 15
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	MCGUIRE
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	250
(b) All Other Design Costs	250
(c) Total	500
(d) Contract	
(e) In-house	500

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT							· · · · · · · · · · · · · · · · · · ·	2	DATE
1. COMPONENT	ים	Y 1996 MILITARY C	ONSTRUCT	ים מחדי	O.TECT	יייבת	_	۷.	DATE
AIR FORCE	F.				COBCI	DWI	·		
3. INSTALLATI	ON A NO		er gener		TROM	m T M T 1			
3. INSTALLATI	ON AN	LOCATION		4. PRO	DUECT	TITLE	밥		
MCGUIRE AIR F	ORCE I	BASE, NEW JERSEY		FIRE 1	RAINI	NG F	ACILIT	Ϋ́	
5. PROGRAM EL	EMENT	6. CATEGORY CODE	7. PRO	ECT NU	MBER	8. 1	PROJEC	T (COST (\$000
						i			
4.18.56		179-511	PTFI	.963501		<u> </u>		,	1,600
		9. cos	T ESTIMA	TES					
				Ì			TINU	•	COST
		ITEM		4\U	NAUQ	TITY	COST	١	(\$000)
FIRE TRAINING	FACII	LITY		LS					1,200
SUPPORTING FA	CILIT	IES			1				215
UTILITIES				LS	1				(75
PAVEMENTS				LS					(70
SITE IMPROV	EMENTS	S		LS					(70
SUBTOTAL		•			1				1,415
CONTINGENCY (5%)				•				71
TOTAL CONTRAC	T COST	r			İ				1,486
SUPERVISION,	INSPE	CTION AND OVERHEA	D (6%)						89
TOTAL REQUEST	V				ļ				1,575
TOTAL REQUEST	(ROU	NDED)							1,600
									. The state of the
					1	1			

10. Description of Proposed Construction: Construct a fire training facility to include, a 100 foot diameter environmentally approved fire training area with a large frame aircraft simulator, 1,000 gallon water capacity LPG tank, a fuel water separator, a lined effluent holding pond, pumps, piping system, and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: 0 SUBSTANDARD: 1 EA
PROJECT: Construct a fire training facility. (Current Mission)
REQUIREMENT: This is a Level I environmental compliance project. The
existing fire training pit does not meet the Clean Water Act (CWA)
requirements (40 CFR 122.26). This project constructs a fire training
facility which meets CWA, Clean Air Act, and the Resource Conservation and
Recovery Act requirements. The following features must be provided;
impermeable liner below the burn area, fuel/water separator and
nondischarging effluent holding pond to prevent contamination of soil and
groundwater. Live fire training is an FAA established quarterly training
requirement for the fire fighters to maintain a high level of proficiency.
It is Air Force policy to have a facility on every major Air Force
installation to meet fire training requirements which complies with all
applicable environmental requirements.

CURRENT SITUATION: The existing live fire training facility does not meet the CWA requirements and has been closed since Oct 1982. Live fire training requirements defined by Air Force regulations are not being met. An undersized aircraft mock-up structure with no fire or heat capability is used to provide minimal training. There are no environmentally approved live fire training facilities in the local area. Structural fire training is provided only when facilities are burned for purposes of demolition.

1. COMPONENT	:	2. D?	ATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	,		
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
MCGUIRE AIR FORCE BASE, NEW JERSEY			
4. PROJECT TITLE 5	. PRO	JECT	NUMBER
EIDE MONINING ENGLITMY	ושתם	0635	E O 1

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the fire fighter and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There are no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONEN	T		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA]
AIR FORCE	(computer generated)		
3. INSTALLA	TION AND LOCATION		
	TODAT DIED VIII		
4. PROJECT	FORCE BASE, NEW JERSEY	E DD	O TROM NUMBER
4. PRODECT	IIIDE	J. PR	OJECT NUMBER
FIRE TRAINI	NG FACILITY	PT	FL963501
12. SUPPLE	MENTAL DATA:		
a Estim	ated Design Data:		
a. Docam	acea besign baca.		
\ - /	Status:		
	a) Date Design Started		94 JUL 15
	b) Parametric Cost Estimates used to develop	costs	Y
-	c) Percent Complete as of Jan 1995		45%
•	d) Date 35% Designed.		94 OCT 15
(e) Date Design Complete		95 AUG 15
\ - ,	Basis:		
•	a) Standard or Definitive Design -		YES
. (.	b) Where Design Was Most Recently Used -		FAIRCHIL
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
(a) Production of Plans and Specifications		90
•	b) All Other Design Costs		90
•	c) Total		180
•	d) Contract		140
(4	e) In-house		40
(4)	Construction Start		95 DEC
. Equipmen	nt associated with this project will be provide	ed from	n
other approp	priations: N/A		
•	•		

1. COMPONENT				-			2	. DAT	re
1	FY 1996 MILIT				PROGI	RAM			
AIR FORCE	(com	puter g							
3. INSTALLATION AN	ID LOCATION		4. CC	DNAMMO			5		EA CONST
									T INDEX
CANNON AIR FORCE E				OMBAT					95
6. PERSONNEL	PERMAN			UDENT			PORTE		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	-	
a. As of 30 SEP 94	1 1	1 1				1	9	1 1	5,661
b. End FY 2000	310 3001					1	9	41	3,714
		ENTORY	DATA	(\$000)				
a. Total Acreage:							_	26 24	
b. Inventory Total	. As Of: (30 S	EP 94)					2	36,34	
c. Authorization N	ot Yet In Inve	ntory:						13,61	
d. Authorization F	Requested In Th	is Prog	ram:					10,42	
e. Authorization I			Progr	am:	(FY :	1997)			0 .
f. Planned In Next	Four Program	Years:		ŧ				7,50	
g. Remaining Defic	ciency:							31,63	
h. Grand Total:							2	99,50)7
8. PROJECTS REQUES	STED IN THIS PR	OGRAM:	FY 1	.996					
CATEGORY						COST			STATUS
CODE	PROJECT TITLE		<u> </u>	COPE		(\$000)	<u> </u>	TART	CMPL
								5 04	05
831-165 WASTEWATE		D			LS	9,800) MA	R 94	JUL 95
DISPOSAL								R 94	JUN 95
871-183 UPGRADE S	STORM DRAINAGE	SYSTEM			LS _	620	-	K 94	JUN 95
			D-11-	TOTAL		10,420		7 \ NC	ME
	ts: Included						177	/) IVC	ONE
•	ts: Typical P	lanned	NEXE		EA	2,500)		
149-962 CONTROL T		DOOY		8,000		•			
211-177 SMALL ACE	ijor Functions:	DOCK						three	<u> </u>
10. Mission or Ma	jor runctions:	M IIQ	nina	write v	NIII CI	reenone	inle	for	•
F-111 fighter squa	arons, a right	er cral		squau:	what Luii i	.espons	ייטיר (adror	١.
training all F-111	alrcrews, and	an ere	CCLOI	defic	ipac	P6.	. <i>3</i> qu		·-
11. Outstanding p	oollution and s	arecy (OSH)	delic.	Lenc.	LCO.			
a. Air pollu	ıtion•							3,800	ס
							1	4,990	
	onal safety and	health	1:				_	•	5
_	onal safety and vironmental:	nearth	••					8,500	_
d. Other Env	TIOHMEHTAI:							-,	-

1. COMPONENT	·		2. DATE			
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA					
AIR FORCE	(comput	er generated)				
3. INSTALLATION	TITLE					
	WASTEWATER TREATMENT					
CANNON AIR FOR	CE BASE, NEW MEXICO	DISPOSAL PL	ANT			
5. PROGRAM ELEM	MENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
2.74.56C	831-165	CZQZ930255	9,800			
	9. COS	T ESTIMATES				

9. COST ESTIMA:	LES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
WASTEWATER TREATMENT AND DISPOSAL PLANT	LS			6,599
SUPPORTING FACILITIES				2,165
UTILITIES	LS			(295)
PAVEMENTS	LS			(170)
SITE IMPROVEMENTS	LS			(1,505)
START-UP, TRAINING AND OWM MANUALS	LS			(<u>195</u>)
SUBTOTAL		,		8,764
CONTINGENCY (5%)	1			438
TOTAL CONTRACT COST				9,202
SUPERVISION, INSPECTION AND OVERHEAD (6%)				552
TOTAL REQUEST				9,754
TOTAL REQUEST (ROUNDED)				9,800
		ļ		
		1.		
	I			

- 10. Description of Proposed Construction: Construct a one million gallon per day (MGD) wastewater treatment plant to provide advance wastewater treatment and sludge disposal. Sitework will include construction of a wetlands area and other necessary support. Provide construction, operation and discharge permits, operation and maintenance (O&M) manual and one year start-up contract.
- 11. REQUIREMENT: As required.

PROJECT: Construct a wastewater treatment and disposal plant. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement. Existing unlined, unpermitted lagoons do not meet the requirements for either surface impoundments, under the Resource Conservation and Recovery Act (RCRA), or wastewater discharge, under the Clean Water Act (CWA). This construction will bring the base into compliance.

CURRENT SITUATION: The existing wastewater treatment facilities (lagoons) were built in 1966 and 1967, and provide primary and secondary treatment. The lagoons discharge to an on-base lake that provides storage, evaporation and percolation. A local farmer uses water from this lake for irrigation of non direct human food chain crops. The current system does not have a National Pollution Discharge Elimination System (NPDES) permit,

not have a National Pollution Discharge Elimination System (NPDES) permit and discharge of untreated industrial process wastewater can cause the existing lagoons to be designated as Solid Waste Management Units (SWMUs) and require their cleanup under RCRA.

IMPACT IF NOT PROVIDED: Continued operation of the base's existing unlined lagoons could result in a Notice of Violation (NOV) of federal or state regulations, and in fines and penalties of up to \$25,000 per day per violation. Closure of the lagoons will effectively prevent the use of the

1. COMPONENT FY 1996 MILITARY CONSTR	1	DATE
AIR FORCE (computer ge	nerated)	
3. INSTALLATION AND LOCATION CANNON AIR FORCE BASE, NEW MEXICO		
4. PROJECT TITLE	5. PROJE	CT NUMBER
WASTEWATED TOFATMENT AND DISCOSAL DIANT	CZOZ9	30255

only wastewater treatment system available.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

COMPON	ENT	TV 1006 VITE TITLE CONTENTS TO THE PART	2. DATE
IR FORCE		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
	LATTC	(computer generated) ON AND LOCATION	
. INSTAL	UNIIC	AND LOCATION	
		RCE BASE, NEW MEXICO	
. PROJEC	r TII	TLE 5. I	PROJECT NUMBER
ASTEWATE	R TRE	EATMENT AND DISPOSAL PLANT	ZQZ930255
2. SUPP	LEMEN	WTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	atus:	
	(a)		94 MAR 24
		Parametric Cost Estimates used to develop costs	s Y
		Percent Complete as of Jan 1995	35%
		Date 35% Designed.	94 JUN 16
	(e)	Date Design Complete	95 JUL 13
(2)	Bas		
		Standard or Definitive Design -	NO
	(b)	Where Design Was Most Recently Used -	N/A
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a)	Production of Plans and Specifications	20
		All Other Design Costs	530
		Total	550
		Contract	385
	(e)	In-house	165
(4)	Con	nstruction Start	95 DEC
		associated with this project will be provided fractions: N/A	com

1. COMPONENT			2. DAT	re .
FY 1996 MILITARY CO		RAM		
	generated)		 	
3. INSTALLATION AND LOCATION	4. COMMAND		1	EA CONST
	AIR FORCE		COS	T INDEX
KIRTLAND AIR FORCE BASE, NEW MEXICO	MATERIEL COMMA	ND	1.	02
6. PERSONNEL PERMANENT	STUDENTS	SUPPOR	RTED	
STRENGTH OFF ENL CIV	OFF ENL CIV	OFF EN	L CIV	TOTAL
a. As of 30 SEP 94 1358 2937 2588	18	135 1	51 914	10,101
b. End FY 2000 1375 3014 2586			51 914	· ·
	DATA (\$000)	<u> </u>		
a. Total Acreage: (44,025)				
b. Inventory Total As Of: (30 SEP 94)			447,94	.1
c. Authorization Not Yet In Inventory:			18,70	
_			9,15	
d. Authorization Requested In This Pro	-	10071	•	1
e. Authorization Included In Following		1997)		
f. Planned In Next Four Program Years:	ŧ		7,75	1
g. Remaining Deficiency:			153,00	
h. Grand Total:	**************************************		638,04	7
8. PROJECTS REQUESTED IN THIS PROGRAM:	FY 1996			
CATEGORY		COST	DESIGN	STATUS
CODE PROJECT TITLE	SCOPE	(\$000)	START	CMPL
				
813-231 UPGRADE ELECTRIC DISTRIBUTION	LS	7,656	JUN 94	AUG 95
SYSTEM				
871-183 UPGRADE STORM DRAINAGE SYSTEM	LS	1,500	TURN KE	Y
	TOTAL:	9,156		
9a. Future Projects: Included in the	Following Progr		997)	
832-266 ADD TO SANITARY SEWER SYSTEM	21,500 LF			Y
	TOTAL:	1,500		
9b. Future Projects: Typical Planned				
141-453 BASE OPERATIONS	17,550 SF			
179-511 FIRE TRAINING FACILITY	LS	•		
1880-221 ADD TO AND ALTER AUTO FIRE	LS	3,800		
	Lo	3,800		ł
DETECTION SYSTEM	3 /		Earta	
10. Mission or Major Functions: Phil				
Operational Test and Evaluation Center				1
Command special operations wing with t				
operating MH-53, TH-53, UH-1, MH-60, M				
base wing; Air Force Security Police A	gency; and an A:	ir Nation	al Guar	d
fighter group with one F-16 squadron.				
11. Outstanding pollution and safety	(OSH) deficienc:	les:		ļ
				ļ
a. Air pollution:			C	}
b. Water pollution:			5,750)
c. Occupational safety and healt	h:		C)
d. Other Environmental:			O	,
d. Collet Bill II cilimeirea.				

1. COMPONENT	V 1996 MILIMARY O	ovembiio	TON DECTE			DATE
AIR FORCE	Y 1996 MILITARY C	er gene:		r DAT	A	
3. INSTALLATION AN KIRTLAND AIR FORCE			4. PROJECT UPGRADE ELE SYSTEM		_	BUTION
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PRO	JECT . NUMBER	8.	PROJECT	COST(\$000)
7.28.06	813-231	мнм	7953007			7,656
	9. cos	T ESTIM	ATES			
					UNIT	COST

7, 0001 8011181	100			
TMPM	/		UNIT	COST
ITEM		QUANTITY	COST	(\$000)
UPGRADE ELECTRIC DISTRIBUTION SYSTEM	LS	ŀ		6,250
UPGRADE TRANSMISSION LINES	LS			(4,450)
UPGRADE SUBSTATIONS	LS			(1,800)
SUPPORTING FACILITIES				350
SITE IMPROVEMENTS	LS			(350)
SUBTOTAL				6,600
CONTINGENCY (10%)				660
TOTAL CONTRACT COST				7,260
SUPERVISION, INSPECTION AND OVERHEAD (6%)				436
TOTAL REQUEST				7,696
TOTAL REQUEST (ROUNDED)				7,656
•		1		7,030
				1
		1		
		İ		
		i		
	1 1	1		1

- 10. Description of Proposed Construction: Upgrade electric distribution systems by replaceing 5 KV and 15 KV overhead distribution lines with 15 KV underground lines, and placing street lighting and building service lines underground; upgrade substations, replace switches and sectionalizers; provide fuel containment; upgrade supervisory control and data acquisition (SCADA) system and provide necessary support.
- 11. REQUIREMENT: As required.

 $\frac{\texttt{PROJECT:}}{\texttt{Mission}} \quad \texttt{Upgrade eastside electrical distribution system.} \quad \texttt{(Current Mission)}$

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electrical service to various base operations and missions at Kirtland Air Force Base. The existing system must be upgraded to meet National Electric Safety Code standards. Replacing low voltage lines and transformers and the installation of underground distribution lines is needed to improve system reliability and to reduce maintenance costs. The electrical distribution system must be capable of handling electrical harmonics (interference) so that computer and data systems operating within various base facilities are not corrupted. Failing utility poles must be disposed of and oil and fuel-fed generators require containment measures meeting EPA regulations.

CURRENT SITUATION: The electrical distribution system is rapidly failing and electrical power requirements exceed capacity to the extent that mission requirements are not being met. Maintenance and repairs to the system consume dwindling base operations and maintenance funds and manpower. Many utility poles and lines are failing and are susceptible to storm and wind damage. Electrical lines must be placed underground for

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION F	PROJECT DATA
AIR FORCE	(computer generated)	
	ION AND LOCATION	
KIRTLAND AIR	FORCE BASE, NEW MEXICO	
4. PROJECT T	ITLE	5. PROJECT NUMBER
UPGRADE ELECT	TRIC DISTRIBUTION SYSTEM	MHMV953007

safety, reliability and for ease of maintenance. Electrical interference (harmonics) travels within buildings, thereby corrupting the collection and transmission of data gathered during special weapon system testing. There are also many oil and fuel-filled generators which do not have the appropriate containment measures required by the EPA.

IMPACT IF NOT PROVIDED: The continued deterioration and failure of electric distribution system components will result in additional power outages, brownouts and low voltage situations, which negatively impact mission accomplishment and quality of life for personnel located within this area of the base.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has been prepared.

	OJECT NUMBER MV953007 94 JUN 20 Y 35%
FORCE BASE, NEW MEXICO FLE S. PR RIC DISTRIBUTION SYSTEM MH NTAL DATA: ed Design Data: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	MV953007 94 JUN 20 Y
FORCE BASE, NEW MEXICO FLE S. PR RIC DISTRIBUTION SYSTEM MH NTAL DATA: ed Design Data: atus: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	MV953007 94 JUN 20 Y
TLE 5. PR RIC DISTRIBUTION SYSTEM MH NTAL DATA: ed Design Data: atus: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	MV953007 94 JUN 20 Y
NTAL DATA: ed Design Data: atus: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	MV953007 94 JUN 20 Y
NTAL DATA: ed Design Data: atus: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	94 JUN 20 Y
ed Design Data: atus: Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	Y
Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	Y
Date Design Started Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	Y
Parametric Cost Estimates used to develop costs Percent Complete as of Jan 1995	Y
Percent Complete as of Jan 1995	_
	250
Date 35% Designed	331
_	94 DEC 30
Date Design Complete	95 AUG 20
sis:	
	NO
Where Design Was Most Recently Used -	N/A
cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
Production of Plans and Specifications	420
All Other Design Costs	160
Total	580
	470
In-house	110
nstruction Start	96 FEB
t	sis: Standard or Definitive Design - Where Design Was Most Recently Used - tal Cost (c) = (a) + (b) or (d) + (e): Production of Plans and Specifications All Other Design Costs Total Contract In-house nstruction Start associated with this project will be provided froiations: N/A

	1. COMPONENT					2	. DATE	
		FY 1996 MILITARY	CONSTRUC	TION PF	ROJECT D	ATA		
	AIR FORCE	(compu	ter gene	rated)				
	3. INSTALLATION A	ND LOCATION		4. PRO	JECT TI	rle		一
	KIRTLAND AIR FORC	E BASE, NEW MEXIC	0	UPGRAD	E STORM	DRAINAGE	SYSTEM	
	5. PROGRAM ELEMEN	F 6. CATEGORY COD	E 7. PRO	JECT NU			COST (\$000	27
							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
_	7.80.56	871-183	MHM	V963010			1,500	
4		9. CO:	ST ESTIM	ATES				\dashv
						UNIT	COST	一
4		ITEM		U/M	QUANTI	Y COST	(\$000)	-
i	UPGRADE STORM DRA	INAGE SYSTEM		LS			1,136	一
ı	STORM CULVERT			LF	3,200	230		- 1
i	IMPROVE DRAINAGE			LS		- 1	(400	1
	SUPPORTING FACILITY						135	
	SITE IMPROVEMENT			LS			(50	۱ (
	OUTLET STRUCTURE			LS	<u> </u>	1	(85	51
I	SUBTOTAL					1	1,271	
	CONTINGENCY (10%)						127	
	TOTAL CONTRACT COS				<u> </u>		1,398	
l	SUPERVISION, INSPE	CTION AND OVERHEA	D (6%)				84	
l	TOTAL REQUEST				1	1	1 482	

10. Description of Proposed Construction: Redirect storm drainage channel by installing culvert, pipe, and outlet structure. Includes necessary support.

11. REQUIREMENT: As required.

TOTAL REQUEST (ROUNDED)

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level I environmental compliance requirement.

This project is required to comply with Clean Water Act requirements under 40 CFR 122.26 for storm water discharge. Kirtland Air Force Base is required to meet Section 2-201 of the New Mexico Water Quality Control Commission (WQCC) regulations, which do not allow disposal of refuse in a natural water course. A redirected storm drainage channel is required to preclude runoff through an existing closed landfill located in the Tijeros Arroyo. Rerouting the channel will prevent contamination of the water table and storm waters which flow through a closed landfill. A new culvert is needed to divert storm water around the landfill and minimize erosion and subsequent contamination of the Tijeros Arroyo below the landfill as recommended by the WQCC.

CURRENT SITUATION: The base is in violation of Section 2-201 of the WQCC Regulation and received a Notice of Violation (NOV) on 4 Sep 90 for a similar uncontrolled discharge and for allowing refuse to enter Tijeros Arroyo. This landfill is located in the Arroyo and contains hazardous materials. A drainage channel from the base industrial area and runway empties into the Arroyo above the landfill. During heavy rains, storm waters uncover hazardous materials and wash them off base. The cap of the landfill has been breeched and storm waters leach through the landfill, possibly contaminating the water table.

IMPACT IF NOT PROVIDED: Hazardous materials and debris will continue to

1,500

1. COMPONENT	1		
1. COMPONENT	ļ	2 •	DATE
	FY 1996 MI	LITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	,	(a a marita a marita a 3)	
AIR FURCE		(computer generated)	
3. INSTALLAT	ION AND LOCATIO)N	
		••	
1			
KIRTLAND AIR	FORCE BASE, NE	W MEXICO	
4. PROJECT T	LTLE	5. PROJE	CT NUMBER
1			
LIDGRADE CHOP	(DDATNAGE GVGE	173.4	
UPGRADE STORE	4 DRAINAGE SYST	EM MHMV9	63010

potential fines of up to \$25,000 per day.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

be washed off-base or enter the water table. The base will be subject to

	1. COMPONENT			2. DAT	E.	
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ſA			
	AIR FORCE	(computer generated)				
	3. INSTALLATI	ON AND LOCATION				
		FORCE BASE, NEW MEXICO				
	4. PROJECT TI	TLE	5. PRO	DJECT N	UMBI	ER
	UPGRADE STORM	DRAINAGE SYSTEM	мни	1V96301	0	
1	0.0.0.0.0	. 2001211142 44440.				
	12. SUPPLEME	NTAL DATA:				
	a. Estimat	ed Design Data:				
	(1) Pr	oject to be accomplished by one step turn key	, broce	dures		
	(2) Ba	sis:				
	1 ' '	Standard or Definitive Design -		NO		
	, .	Where Design Was Most Recently Used -		A\N		
	(-,			,		
	(3) De	sign Allowance .			8	35
ĺ	(4) Co	enstruction Start		۵	6 FE	פי
١	(4) 00	mstruction start		9	O FE	, Б
ı						

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2. DA	TE			
	FY	1996				CTION	PROGI	RAM						
AIR FORCE				puter o	T									
3. INSTALLATI	ON AND LO	CATIC	ON		4. C	OMMAND					EA CONS			
										COST INDEX				
POPE AIR FORC	E BASE, 1				AIR	COMBAT	COM	DNA		0	.86			
6. PERSONNEL	-		ERMANI		 	TUDENT			PORT	ED	Ļ			
STRENGTH	4			CIV	OFF	ENL	CIV	OFF	ENI	CIV				
a. As of 30 S		552						1		71	4,799			
b. End FY 200	00		3779			<u></u>	<u> </u>			71	4,665			
				ENTORY	DATA	(\$000)							
a. Total Acre	•	-	13)											
b. Inventory			•	•						112,80)4			
c. Authorizat				_						37,63	LO			
d. Authorizat	_			-	_					8,29	50			
e. Authorizat				_	Prog:	ram:	(FY)	L997)		7,65	50 ,			
f. Planned In			gram 1	ears:		ş					0			
g. Remaining	Deficienc	y:								86,80	00			
h. Grand Tota	1:									253,11	14			
8. PROJECTS R	EQUESTED	IN TH	IS PRO	OGRAM:	FY	1996								
CATEGORY								COST	D	ESIGN	STATUS			
CODE	PROJE	CT TI	TLE		<u> </u>	SCOPE		(\$000	<u>)</u> _	START	CMPL			
141-753 C-13	0 SQUADRO	N OPS	/AMU A	AND	:	33,600	SF	6,10	A 0	UG 94	DEC 95			
AUD	IOVISUAL	SERVI	CES CE	ENTER										
411-135 UNDE	RGROUND F	UEL S	TORAGE	TANKS	3	47	EA	2,15	A 0	UG 94	SEP 95			
						TOTAL	: -	8,25	0					
9a. Future P	rojects:	Incl	uded i	in the	Follo	owing 1	Progr	am (F	Y 19	97)				
721-312 DORM	ITORY					200	PN	4,50	0					
831-155 INDU	STRIAL WA	STEWA	TER				LS	1,00	0					
PRE	TREATMENT	FACI	LITIES	5										
832-266 UPGR	ADE SANIT	ARY S	EWER S	SYSTEM			LS	2,15	0					
						TOTAL	: -	7,65	0					
9b. Future P	rojects:	Typi	cal Pl	lanned	Next	Four !	Years	· ·						
10. Mission	or Major	Funct	ions:	A con	nposit	te wing	g whi	ch in	clud	es one	F-16			
squadron, one														
Joint Special	Operatio	ns Co	mmand.	•		_				-				
	ing pollu				(OSH)	defic	ienci	.es:						
				-										
a. Air	pollution	:								3,000)			
	r polluti									4,000				
	pational		v and	health	1:)			
	r Environ		-)			
										•	-			

3. INSTALLATION AND LOCATION 4. PROJECT TITLE C-130 SQUADRON OPS/AMU AND C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER S. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)											
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA FORCE BASE, NORTH CAROLINA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000) 2.72.31 141-753 TMKH953012 6,100 9. COST ESTIMATES U/M QUANTITY COST (\$000) C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER SQUADRON OPERATIONS/AMU FACILITY SF 44,000 100 (4,400) AUDIOVISUAL SERVICES CENTER SUPPORTING FACILITIES UTILITIES UTILITIES LS (205) PAVEMENTS LEASE INTERIM AMU FACILITIES LS (160)	1. COMPONENT						2.	DATE			
3. INSTALLATION AND LOCATION POPE AIR FORCE BASE, NORTH CAROLINA 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 2.72.31 141-753 TMKH953012 6,100 9. COST ESTIMATES U/M QUANTITY COST (\$000) C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER SQUADRON OPERATIONS/AMU FACILITY AUDIOVISUAL SERVICES CENTER SQUADRON OPERATIONS/AMU FACILITY SF 44,000 100 (4,400) AUDIOVISUAL SERVICES CENTER SF 4,200 120 (504) SUPPORTING FACILITIES UTILITIES UTILITIES LS (205) PAVEMENTS LEASE INTERIM AMU FACILITIES LS (155) LEASE INTERIM AMU FACILITIES LS (160)		F	Y 1996 MILITARY	CONSTRUC	CTION	PRO	OJECT	DAT	Α		
C-130 SQUADRON OPS/AMU AND	AIR FORCE		(compu	ter gene	rate	d)					
POPE AIR FORCE BASE, NORTH CAROLINA AUDIOVISUAL SERVICES CENTER	3. INSTALLATI	ON ANI	D LOCATION								
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 2.72.31 141-753 TMKH953012 6,100 9. COST ESTIMATES U/M QUANTITY COST (\$000) C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER SF 48,200 4,904 AUDIOVISUAL SERVICES CENTER SF 44,000 100 (4,400) AUDIOVISUAL SERVICES CENTER SF 4,200 120 (504) SUPPORTING FACILITIES SF 4,200 120 (504) SUPPORTING FACILITIES LS (205) PAVEMENTS LS (155) LEASE INTERIM AMU FACILITIES LS (160)	,										
2.72.31 141-753 TMKH953012 6,100											
9. COST ESTIMATES ITEM	5. PROGRAM EI	LEMENT	6. CATEGORY COD	E 7. PRO	JECT	NU	MBER	8. 1	PROJEC	T	OST(\$000)
9. COST ESTIMATES ITEM											
UNIT COST	2.72.31		141-753	TMK	H953	012					6,100
ITEM			9, co	ST ESTIM	ATES						
C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER SQUADRON OPERATIONS/AMU FACILITY AUDIOVISUAL SERVICES CENTER SF 44,000 100 (4,400) AUDIOVISUAL SERVICES CENTER SF 4,200 120 (504) SUPPORTING FACILITIES UTILITIES PAVEMENTS LS (205) LS (155) LEASE INTERIM AMU FACILITIES					- 1					`	
SERVICES CENTER SF 48,200 4,904 SQUADRON OPERATIONS/AMU FACILITY SF 44,000 100 (4,400) AUDIOVISUAL SERVICES CENTER SF 4,200 120 (504) SUPPORTING FACILITIES LS (205) PAVEMENTS LS (155) LEASE INTERIM AMU FACILITIES LS (160)			ITEM			U/M	LUAND	YTI	COST	<u>'</u>	(\$000)
SQUADRON OPERATIONS/AMU FACILITY AUDIOVISUAL SERVICES CENTER SUPPORTING FACILITIES UTILITIES PAVEMENTS LEASE INTERIM AMU FACILITIES SF 44,000 100 (4,400) SF 4,200 120 (504) SF 595 LS (205) LS (155)	C-130 SQUADRO	ON OPS	AMU AND AUDIOVI	SUAL						- 1	
AUDIOVISUAL SERVICES CENTER SUPPORTING FACILITIES UTILITIES PAVEMENTS LEASE INTERIM AMU FACILITIES SF 4,200 120 (504) 595 (205) LS (155)	SERVICES CENT	ER				SF	48,2	00			•
SUPPORTING FACILITIES UTILITIES PAVEMENTS LEASE INTERIM AMU FACILITIES LS (205) LS (155) LS (160)	SQUADRON OF	PERATIO	ONS/AMU FACILITY			SF			1	00	(4,400)
UTILITIES LS (205) PAVEMENTS LS ' (155) LEASE INTERIM AMU FACILITIES LS (160)	AUDIOVISUAL	SERV	ICES CENTER			SF	4,2	00	1	20	(504)
PAVEMENTS LEASE INTERIM AMU FACILITIES LS (155) LS (160)	SUPPORTING FA	CILIT	IES								595
LEASE INTERIM AMU FACILITIES LS (160)	UTILITIES				:	LS				ł	(205)
	PAVEMENTS				:	LS				1	(155)
DEMOLITION SF 9,600 8 (<u>75</u>)	LEASE INTER	MA MIS	J FACILITIES		:	LS				İ	(160)
	DEMOLITION					SF	9,6	00		8	(75)

- 10. Description of Proposed Construction: Materials and labor to construct a 44,000 SF steel frame structure with concrete masonry walls, reinforced concrete flooring, and standing seam metal roof. Includes fire suppression systems, and other necessary support. Construct a 4,200 SF facility of similar construction materials to relocate an existing Audiovisual Services Center. Demolish two existing facilities. Air Conditioning: 120 Tons.
- 11. REQUIREMENT: 86,000 SF ADEQUATE: 36,000 SF SUBSTANDARD: 0 PROJECT: Construct a consolidated C-130 squadron operations, aircraft maintenance unit (AMU), and an audiovisual services center. (New Mission) REQUIREMENT: This project is required to support the beddown of an additional C-130 squadron at Pope AFB. An adequate facility is required to plan, brief, and critique combat crews, direct flight operations, perform aircraft maintenance functions, and provide space for aircrew life support equipment storage, inspection, and servicing. A new audiovisual services center facility is also required. The existing substandard audiovisual center and a substandard AMU facility will be demolished as part of this requirement to provide a suitable site on the flightline for the new squadron operations facility. The C-130 AMU function will be housed in interim facilities during construction of the new facility. CURRENT SITUATION: There are no adequate facilities or sites available to house the new squadron operations/aircraft maintenance unit requirement. All existing facilities which can support this requirement are currently being used to full capacity for newly formed F-16, A-10, and C-130 composite wing squadrons. The only logical site which can support this requirement is currently the site for two inadequate facilities, one of which houses an aircraft maintenance unit, and the other an audiovisual

SUBTOTAL

CONTINGENCY (5%)
TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

TOTAL REQUEST

SUPERVISION, INSPECTION AND OVERHEAD (6%)

5,499

5,774 346

6,120

6,100

275

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

POPE AIR FORCE BASE, NORTH CAROLINA

4. PROJECT TITLE

5. PROJECT NUMBER

C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER

TMKH953012

services center. This C-130 squadron was initially supposed to relocate to another installation and was using temporary facilities until the relocation was implemented. In 1993, the DoD force structure realignment action authorized the C-130 squadron to remain assigned to Pope AFB. action created a facility shortage at Pope AFB and the squadron does not have adequate space to fully support operations, maintenance, and life support functions. Facilities under temporary use by the squadron must be returned to their original use by composite wing functions. IMPACT IF NOT PROVIDED: The squadron will remain scattered in temporary facilities and will be unable to conduct operations efficiently due to the lack of adequate space. This unacceptable arrangement will also not be conducive to the functional operation and organizational concept of the unit and will prevent the squadron from conducting operations, maintenance, and life support functions in a manner required for wartime missions.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, renovation, upgrade, new construction, leasing) was done. Because it indicates new construction is the only option that will meet operational requirements, a full economic analysis was not performed. A certificate of exception has been prepared.

Page No

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
POPE AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER
C-130 SQUADRON OPS/AMU AND AUDIOVISUAL SERVICES CENTER	TMKH953012
	· .
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	94 AUG 02
(b) Parametric Cost Estimates used to develop	costs Y
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 AUG 26
(e) Date Design Complete	95 DEC 06
(2) Basis:	
(a) Standard or Definitive Design -	YES
(b) Where Design Was Most Recently Used -	LITTLE R
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	312
(b) All Other Design Costs	26
(c) Total	338
(d) Contract	
(e) In-house	338
(4) Construction Start	96 FEB

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT									2.	DATE	;
	F	7 1996 MILITARY	CO	NSTRUCT	101	N PR	OJECT	DATA	A.		
AIR FORCE		(comp	ute	r gener	ate	ed)					
3. INSTALLATI	ON ANI	LOCATION			4.	PRO	JECT :	TITL	2		
POPE AIR FORCE BASE, NORTH CAROLINA UI						DERGI	ROUND	FUEI	STORAG	E TAN	KS
5. PROGRAM EL	EMENT	6. CATEGORY CO	DE :	7. PROJ	EC.	r nui	MBER	8. I	PROJECT	COST (\$000)
2.74.56C		411-135	l_	TMKF	1973	3001				2,15	0
		9. C	OST	ESTIMA	TES	3					
									UNIT	CC	ST
		ITEM				מ/ט	QUANT	YTIT	COST	(\$0	00)
UNDERGROUND F	UEL ST	ORAGE TANKS				EA		47			778
ABOVEGROUND	STORA	AGE TANKS				EA		18	29,890	1 (538)
TANK REMOVE	/DISPO	SAL				EA		29	8,280	1	240)
SUPPORTING FA	CILITI	ES								1	,065
UTILITIES						LS				(20)
SITE IMPROV	EMENTS	3				LS				(130)
SOIL REMEDI	ATION					LS	:			li	840)
TEMPORARY F	ACILIT	TIES/FENCE				LS				Ιċ	60)
TEMPORARY F	UEL SE	RVICE				LS				(15)
SUBTOTAL										1	,843

Description of Proposed Construction: Excavate/remove 29 underground storage tanks (USTs). Dispose of tank residue and test soil at each site. Remediate contaminated soil. Install 18 above ground storage tanks (ASTs), with all associated mechanical equipment to meet Federal and State compliance standards.

11. REQUIREMENT: As required.

SUPERVISION, INSPECTION AND OVERHEAD (6%)

CONTINGENCY (10%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

PROJECT: Remove and replace underground fuel storage tanks. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all underground storage tanks (USTs) regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated underground storage tanks to have leak detection, corrosion protection, and spill/overfill prevention systems.

CURRENT SITUATION: Underground storage tanks at Pope AFB do not meet federal law (40 CFR 280.21) and state requirements for cathodic protection, leak detection monitoring and overfill/spill protection. These deficiencies must be corrected to prevent violation of federal UST regulations.

IMPACT IF NOT PROVIDED: Failure to replace these tanks will result in an unacceptable risk of pollution. Additionally, Pope AFB will not be in compliance with federal and state environmental requirements thereby subjecting the base to enforcement action and monetary penalties. If project is not accomplished by the established deadline, the base will be in violation of the law subject to receiving Notices of Violation, fines and significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of

2,027

2,149

2,150

184

122

1. COMPONENT						2. D	ATE
	FY 1	996 MILITARY	CONSTRUCTION	PROJECT DA	ATA	1	
AIR FORCE		(compu	ter generated	d)			
3. INSTALLATI	ON AND L	OCATION					
POPE AIR FORCE	CE BASE, I	NORTH CAROLIN	NA				
4. PROJECT TI	TLE				5. 1	PROJECT	NUMBER
					1		
UNDERGROUND F	TUEL STOR	AGE TANKS			1	гмкн9730	001

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed.

(d) Date 35% Designed. (e) Date Design Complete 94 AUG (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	
OPE AIR FORCE BASE, NORTH CAROLINA PROJECT TITLE S. PROJECT NUMBER NDERGROUND FUEL STORAGE TANKS TMKH973001 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 94 AUG (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	
. PROJECT TITLE NDERGROUND FUEL STORAGE TANKS 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (f) N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	
ADERGROUND FUEL STORAGE TANKS 2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	
2. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	SER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 94 AUG 95 AUG 96 AUG 97 AUG 97 AUG 98 AUG 99 AUG 99 AUG 99 AUG 90 AUG 91 AUG 95 SEP NO N/A (5) (6) Where Design Was Most Recently Used - N/A (6) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house	
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. 94 AUG (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (SOME (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. 94 AUG (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 N	
(d) Date 35% Designed. 94 AUG (e) Date Design Complete 95 SEP (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M	Y
(e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	15%
(2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	
(a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	15
(b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$0 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	00
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	30
(c) Total (d) Contract (e) In-house (4) Construction Start 55 M Equipment associated with this project will be provided from	82
(e) In-house (4) Construction Start 95 M Equipment associated with this project will be provided from	12
(4) Construction Start 95 M Equipment associated with this project will be provided from	72
. Equipment associated with this project will be provided from	40
	ov

										2 0 0 0	יסור
1. COMPONENT	734	1006		. D.V. GO!	v.cmp.ii.c	TOTON I	DDOCE	D M M		2. DAT	E
TE BODGE	F X	1996		ARY COM			ROGI	Chin			
AIR FORCE 3. INSTALLATION	ON AND IC	CATT		puter (MMAND				5. ARI	A CONS
SEYMOUR-JOHNS					4.	линио					T INDE
NORTH CAROLIN		MCE I	JACE,		ATR C	сомват	COM	AND	ĺ		86
6. PERSONNEL	<u> </u>	T	PERMAN	ENT	 	UDENT			PORT		
STRENGTH	-		ENL	CIV		ENL	CIV			CIV	TOTAL
a. As of 30 S	FD QA		3625		0			1		6 130	
b. End FY 200			4251		İ			1		6 130	-
D. ENG FI 200	0			ENTORY	DATA	(\$000))				
a. Total Acre	age: (4,1				\. <u>`</u>					
b. Inventory				EP 94)						196,48	30
c. Authorizat	ion Not Y	et Ir	Inve	ntory:						19,11	.0
d. Authorizat	ion Reque	sted	In Th	is Pro	gram:					83	0
e. Authorizat	ion Inclu	ided I	n Fol	lowing	Progr	am:	(FY 1	1997)		12,90	0 ,
f. Planned In						6				1,90	0
q. Remaining										45,14	10
h. Grand Tota	1:									276,36	0
8. PROJECTS R	EQUESTED	IN TH	IIS PRO	OGRAM:	FY]	996					
CATEGORY								COST	_	DESIGN	STATUS
CODE	PROJE	CT TI	TLE		5	COPE		(\$000))	START	CMPL
				av amby			LS	0.7	10 J	JUN 94	JUL 9
871-183 UPGR	ADE STORM	DRAI	NAGE :	SYSTEM		TOTAL:	_	83	_	JUN 94	301 9
9a. Future P	rojects	Incl	uded	in the	Follo					997)	
141-753 F-15						18,000				•	
	DEMIC FAC			-,,		•		·			
171-212 F-15				RAINING	g 2	26,000	SF	6,60	0		
	TEM SUPPO					-					
						TOTAL	<u> </u>	12,90	0		
9b. Future P	rojects:	Турі	cal P	lanned	Next	Four :	ears	3 :			
	FUEL STOP					4,000	SY	90			
730-142 ADD	TO FIRE S	TATIO	N			5,500	SF	1,00			
10. Mission	or Major	Funct	ions:	A fl	ying v	ving w	ith 1	four E	-15	fighte	er
squadrons, on	e of which	ch cor	iducts	F-15E	initi	ial qua	alif:	icatio	on ti	raining	g; and
a KC-10 air r	efueling	squad	dron (schedu	led to	depar	rt w	ith ti	Lming	g to be	3 2 5
determined);	and an Ai	r For	ce Re	serve a	air re	efueli	ng w	ing w	th c	one KC-	-135
squadron.											
11. Outstand	ing pollu	tion	and s	afety	(OSH)	defic	lenc:	res:			
a. Air	pollution):								3,000)
	r polluti									7,200)
	pational		y and	healt	h:					(כ
	r Enviror									()

1. COMPONENT		···						2. DAT	
	1996 MILIT	ARY COI	NSTRUC	י מסדתי	PROGE	RAM		2. DAI	Ľ
AIR FORCE		puter						[
3. INSTALLATION AND LO				DIAMM				5. ARE	A CONST
GRAND FORKS AIR FORCE		'H	ŀ	OBILI	ĽΥ			1	T INDEX
DAKOTA	·		COMMA	ND				٥.	98
6. PERSONNEL	PERMAN	ENT	នា	UDENTS	3	SUF	POR		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF		LCIV	TOTAL
a. As of 30 SEP 94	718 3886	464				1		2 206	5,277
b. End FY 2000	712 3750	410				1		2 206	5,081
	7. INV	ENTORY	DATA	(\$000))				
a. Total Acreage: (6,374)								
b. Inventory Total As	Of: (30 S	EP 94)						329,63	5
c. Authorization Not Y	•	-						12,90	
d. Authorization Reque		_	gram:					14,80	
e. Authorization Inclu			-	am:	FY]	.997)		6,50	
f. Planned In Next Fou		_	•	,	-	•		21,30	
g. Remaining Deficienc								39,55	
h. Grand Total:	-							424,68	
8. PROJECTS REQUESTED	IN THIS PR	OGRAM:	FY 1	996					
CATEGORY						COST	Ĺ	DESIGN	STATUS
CODE PROJE	CT TITLE		S	COPE		(\$000	_	START	CMPL
			_						
141-753 KC-135 SQUADE	ON OPERATI	ONS/	4	0,900	SF	6,30	4 0	1AR 94	MAR 95
AIRCRAFT MAI	NTENANCE U	NIT FAC							
721-312 DORMITORY				180	PN _	8,50	0	1AY 94	SEP 95
				TOTAL:		14,80			
9a. Future Projects:								997)	
141-753 KC-135 SQUADE		•		0,900	SF	6,50	0		
AIRCRAFT MAI	NTENANCE U	NIT FAC	-		_		_		
				TOTAL:		6,50	0		
9b. Future Projects:				Four 1					
113-321 UPGRADE AIRCE		G APRO				6,40			
690-000 PROCUREMENT F				8,500		1,40			
721-312 ALTER DORMITO	RY			253		4,20			
721-312 DORMITORY		2		130		4,30			
831-155 INDUSTRIAL WA					LS	5,00	0		
TREATMENT FA									
10. Mission or Major									135
squadrons; and an Air									
Minuteman III intercon							1 he	elicopt	ers).
11. Outstanding pollu	tion and s	afety ((OSH)	defici	enci	.es:			
a. Air pollution								0	
b. Water polluti								0	
c. Occupational	-	health	1:					0	
d. Other Environ	mental:							0	
									

-	1 covpoveni					D.3.000
	1. COMPONENT				2	. DATE
	FY	? 1996 MILITARY CO	ONSTRUCTIO	ON PROJECT	DATA	
	AIR FORCE	(compute	er generat	:ed)		
	3. INSTALLATION AND	LOCATION	4.	PROJECT T	ITLE	
			KC	-135 SQUAD	RON OPERAI	'IONS/
j	GRAND FORKS AIR FOR	CE BASE, NORTH DA	AKOTA AI	RCRAFT MAI	NTENANCE U	NIT FAC
	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJEC	T NUMBER	8. PROJECT	COST(\$000)
i						
	4.12.18	141-753	JFSD96	3500		6,300

9. COST ESTIMAT	res			
			TINU	COST
ITEM	U/M	QUANTITY	COST	(\$000)
KC-135 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	40,900	120	4,908
SUPPORTING FACILITIES				725
UTILITIES	LS			(220)
PAVEMENTS	LS			(165)
SITE IMPROVEMENTS	LS			(190)
ELEVATOR	EA	' 1	100,000	(100)
DEMOLITION	SF	2,900	17	(50)
SUBTOTAL				5,633
CONTINGENCY (5%)	1	:		282
TOTAL CONTRACT COST				5,915
SUPERVISION, INSPECTION AND OVERHEAD (6%)				355
TOTAL REQUEST				6,270
TOTAL REQUEST (ROUNDED)	i			6,300

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, site improvements, and all necessary support.

Air Conditioning: 80 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a KC-135 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force quidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of 26 additional KC-135s in the 3rd quarter of FY94. A total of 48 KC-135s will be in place by the 4th quarter of FY95. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, mobility office, life support, technical order library, scheduling,

standardization/evaluation, and locker rooms. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. consolidation is consistent with the Air Mobility Command (AMC) initiative to bring the Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in AMC. CURRENT SITUATION: There are no adequate facilities to support KC-135 consolidated Sq Ops/AMU operations at Grand Forks AFB. Existing Sq Ops/AMU operations are conducted in five facilities which are substandard, inadequately sized, and not properly configured to accommodate

1. COMPONENT			2. D.	ATE		
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	AT.				
AIR FORCE	(computer generated)					
3. INSTALLATION AND LOCATION						
GRAND FORKS AIR	R FORCE BASE, NORTH DAKOTA					
4. PROJECT TITE	LE	5. PRO	OJECT	NUMBER		
KC-135 SQUADRON	OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	JF:	SD963!	500		

consolidated operations. They are widely scattered creating fragmented lines of communications/authority. Aircrews and aircraft maintainers spend many hours away from their duty location in an effort to obtain parts, organizational and mobility equipment, and required training. One facility totalling 2,900 square feet will be demolished as a result of this project. The remaining four existing facilities will be reused as interim facilities for other requirements.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated substandard buildings and will never develop the cohesiveness necessary to become an efficient and effective operational organization. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. The physical separation will continue to hamper the lines of authority and communications throughout the squadron.

ADDITIONAL: There is no criteria/scope for this project in Part II of the Military Handbook 1190, "Facility Planning and Design Guide". this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA 4. PROJECT TITLE S. PROJECT NUMBER KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 94 MAR 29 45% (d) Date 35% Designed. 94 OCT 01 (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (5000) (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 548 (4) Construction Start	1. COMPONENT			2. DATE
AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA 4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC JFSD963500 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs y (c) Percent Complete as of Jan 1995 45% (d) Date 35% Designed. 94 OCT 01 (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 369 (b) All Other Design Costs 205 (c) Total 574 (d) Contract 26 (e) In-house 548		FY 1996 MILITARY CONSTRUCTION PROJECT DAY	מיד	2. DATE
3. INSTALLATION AND LOCATION GRAND FORKS AIR FORCE BASE, NORTH DAKOTA 4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 94 MAR 29 45% (d) Date 35% Designed. 94 OCT 01 (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (3) Total Cost (c) = (a) + (b) or (d) + (e): (4) Contract (5000) (6) All Other Design Costs (7) Total (8) Contract (9) In-house 548	AIR FORCE		• • • · · ·	•
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC JFSD963500 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house 5. PROJECT NUMBER JFSD963500 5. PROJECT NUMBER 6. PA MAR 29 94 MAR 29 94 MAR 29 94 MAR 29 95 MAR 03 10	3. INSTALLATI			
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC JFSD963500 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house 5. PROJECT NUMBER JFSD963500 5. PROJECT NUMBER 6. PA MAR 29 94 MAR 29 94 MAR 29 94 MAR 29 95 MAR 03 10				
4. PROJECT TITLE KC-135 SQUADRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC JFSD963500 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (b) All Other Design Costs (c) Total (d) Contract (e) In-house 5. PROJECT NUMBER JFSD963500 5. PROJECT NUMBER 6. PA MAR 29 94 MAR 29 94 MAR 29 94 MAR 29 95 MAR 03 10	GRAND FORKS A	IR FORCE BASE, NORTH DAKOTA		
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (3) Total Cost (c) = (3) + (b) or (d) + (e): (5000) (6) Formula (c) Fo			5. PRO	JECT NUMBER
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (3) Total Cost (c) = (3) + (b) or (d) + (e): (5000) (6) Formula (c) Fo				
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - (g) Where Design Was Most Recently Used - (g) Total Cost (c) = (a) + (b) or (d) + (e): (g) All Other Design Costs (g) Total (g) Total (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (KC-135 SQUADR	ON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	JFS	D963500
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (e) Date Design Complete (f) Where Design Was Most Recently Used - (g) Where Design Was Most Recently Used - (g) Total Cost (c) = (a) + (b) or (d) + (e): (g) All Other Design Costs (g) Total (g) Total (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (g) Total (g) Contract (
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Date Design Complete (h) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (s) MAR 29 94 MAR 29 95 MAR 03 (7) Standard or Definitive Design - YES (S) MAR 03 (S) MAR 03	12. SUPPLEME	NTAL DATA:		
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (f) Date Design Complete (g) Date Design Complete (h) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (s) MAR 29 94 MAR 29 95 MAR 03 (7) Standard or Definitive Design - YES (S) MAR 03 (S) MAR 03	n-111	ad Baata a Bata		
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 94 MAR 29 YES (y000) 45% 45% 45% 45% 45% 45% 45% 45	a. Estimat	ed Design Data:		
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 94 MAR 29 YES (y000) 45% 45% 45% 45% 45% 45% 45% 45	(1) St	atus.		
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 94 OCT 01 (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (5000)	, , ,			94 WAD 20
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 MAR 03 (2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (s) All Other Design Costs (b) All Other Design Costs (c) Total (d) Contract (e) In-house 45% 94 OCT 01 95 MAR 03 (\$5000) 95 MAR 03			osts	
(d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 94 OCT 01 95 MAR 03 (5000) 95 MAR 03				-
(2) Basis: (a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 369 (b) All Other Design Costs 205 (c) Total 574 (d) Contract 26 (e) In-house 548				
(a) Standard or Definitive Design - YES (b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 369 (b) All Other Design Costs (c) Total 574 (d) Contract 26 (e) In-house 548	(e)	Date Design Complete		95 MAR 03
(b) Where Design Was Most Recently Used - TRAVIS (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 369 (b) All Other Design Costs 205 (c) Total 574 (d) Contract 26 (e) In-house 548	. (2) Ba:	sis:		
(3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000) (a) Production of Plans and Specifications 369 (b) All Other Design Costs 205 (c) Total 574 (d) Contract 26 (e) In-house 548	(a)	Standard or Definitive Design -		YES
(a) Production of Plans and Specifications369(b) All Other Design Costs205(c) Total574(d) Contract26(e) In-house548	(b)	Where Design Was Most Recently Used -		TRAVIS
(a) Production of Plans and Specifications369(b) All Other Design Costs205(c) Total574(d) Contract26(e) In-house548	(3) Tot	cal Cost $(c) = (a) + (b)$ or $(d) + (e)$:		(\$000)
(c) Total 574 (d) Contract 26 (e) In-house 548				
(d) Contract 26 (e) In-house 548	(þ)	All Other Design Costs		205
(e) In-house 548	(c)	Total		574
	, ,			26
(4) Construction Start 95 DEC	(e)	In-house		548
	(4) Cor	struction Start		95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

Page No

1. COMPONENT			2. DATE
F:	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	FITLE
GRAND FORKS AIR FOR	RCE BASE, NORTH DA	AKOTA DORMITORY	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
4.18.96	721-312	JFSD998002	8,500

9. COST ESTIMATE	S.			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (180 PN)				6,208
DORMITORY	SF	64,000	95	(6,080)
AUTOMATIC SPRINKLER PROTECTION	SF	64,000	2	(128)
SUPPORTING FACILITIES				1,400
UTILITIES	LS			(650)
PAVEMENTS	LS			(450)
SITE IMPROVEMENTS	LS			(<u>300</u>)
SUBTOTAL				7,608
CONTINGENCY (5%)				380
TOTAL CONTRACT COST				7,988
SUPERVISION, INSPECTION AND OVERHEAD (6%)				479
TOTAL REQUEST				8,467
TOTAL REQUEST (ROUNDED)				8,500

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, structural frame, masonry walls, sloped metal roof, fire protection, and site improvements. Includes room-bath-room modules, laundries, storage and lounge areas, and necessary support.

Air Conditioning: 120 Tons. Grade Mix: 180 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 180 personnel: 180 E1-E4, with a maximum utilization of 180 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements for unaccompanied enlisted personnel at this installation. There are over 320 enlisted personnel living off base due to lack of on-base quarters. This project will significantly reduce the base dormitory deficiency.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction for the enlisted force will continue to be degraded. Unaccompanied enlisted personnel will also have to continue living off-base resulting in a payment of \$873,000 of BAQ/VHA/BAS allowances annually.

ADDITIONAL: This project meets the criteria/scope specified in the new

•	1. COMPONENT			2. DATE
	FY 1996	MILITARY CONSTRUCTION PROJECT D	ATAC	
	AIR FORCE	(computer generated)		
-	3. INSTALLATION AND LOCAT	TION		
	GRAND FORKS AIR FORCE BAS	SE, NORTH DAKOTA		
-	4. PROJECT TITLE		5.	PROJECT NUMBER
	DORMITORY			JFSD998002

uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending enlisted personnel off base, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD-approved unit cost factor for dormitories.

. COMPONE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
. INSTALL	TION AND LOCATION	
RAND FORKS	AIR FORCE BASE, NORTH DAKOTA	. PROJECT NUMBER
PROJECT	111111	. PROJECT NUMBER
ORMITORY		JFSD998002
12. SUPPLE	MENTAL DATA:	
- 5	ated Dealer Date.	
a. Estin	ated Design Data:	4
(1)	Status:	
	a) Date Design Started	94 MAY 16
	b) Parametric Cost Estimates used to develop co	sts
	c) Percent Complete as of Jan 1995	459
	d) Date 35% Designed.	94 OCT 0
(e) Date Design Complete	95 SEP 28
(2)	Basis:	
• •	a) Standard or Definitive Design -	YES
	b) Where Design Was Most Recently Used -	GRAND FO
/3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	a) Production of Plans and Specifications	35:
· ·	b) All Other Design Costs	270
	c) Total	62:
ĺ	d) Contract	
(e) In-house	622
(4)	Construction Start	05 55
(4)	Construction Start	95 DEC
_		
. Equipme	<pre>nt associated with this project will be provided priations: N/A</pre>	from
cher appro	priacions. N/A	

1. COMPONENT								2	. DA	re
	FY 1996	MILITARY	CONS	TRUC	TION	PROGI	RAM			
AIR FORCE		(comput								
3. INSTALLATION	AND LOCATION				MMAND			5	. ARI	EA CONST
									COS	ST INDEX
MINOT AIR FORCE	BASE, NORTH	DAKOTA	A	AIR C	OMBAT	COM	IAND		1.	.10
6. PERSONNEL		ERMANENT		SI	UDENT	S	SUP	PORTE		
STRENGTH	OFF	ENL C	IV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP	94 653	3942	525				1	16	37	5,174
b. End FY 2000	651	3968	536	ĺ			1	16	37	5,209
	7	. INVENT	ORY D	ATA	(\$000)				
a. Total Acreage	: (5,3	B5)								
b. Inventory Tot		(30 SEP	94)					30	00,71	L 3
c. Authorization								• 1	11,25	0
d. Authorization				am:					1,55	0
e. Authorization					am:	(FY 1	.997)			0
f. Planned In Ne				-	:			2	28,65	0
g. Remaining Def		=						-	74,15	50
h. Grand Total:	•							43	16,31	.3
B. PROJECTS REQU	ESTED IN TH	IS PROGR	AM:	FY 1	996					
CATEGORY							COST	DES	SIGN	STATUS
CODE	PROJECT TI	<u>rle</u>		<u>s</u>	COPE		<u>(\$000</u>) S7	CART	CMPL
411-134 UNDERGR	OUND FUEL ST	TORAGE T.	ANKS			_	1,55		94	OCT 95
					TOTAL:		1,55			
9a. Future Proj								Y 199) NC	DNE
9b. Future Proj			ned N	lext	Four 1			^		
113-321 UPGRADE						LS	4,50			
121-122 UPGRADE					500	LS	15,70			
	Y POLICE EN	PRY CONT.	KOL		500	5r	35	U		
FACILI						T C	2 10	^		
B21-113 UPGRADE						LS	3,10			
	IAL WASTEWAT					LS	5,00	U		
	ENT FACILITI		h		~+1	. +	P_E2	U cour	dror	oc and
10. Mission or										is allu
an Air Force Spa	ce Command n	nissile (group) WIL	n cure	3U_1U	.nucem	an II. raft		
intercontinental	pallistic i	integrate	tu (O	IT OILS	defici	enci	erre	rare.		
ll. Outstanding	borragion s	anu sale	cy (O	,511)	del IC.	FC11C1				
a. Air pol	lution								3,000)
_	ollution:								9,190	
-	ional safety	, and he	alth.						•	
•	nvironmental								Č	
u. Other El	Troimenca	••							•	

1. COMPONENT			2. DATE				
F	FY 1996 MILITARY CONSTRUCTION PROJECT DATA						
AIR FORCE	(compute	er generated)					
3. INSTALLATION AND	3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
MINOT AIR FORCE BAS	SE, NORTH DAKOTA	UNDERGROUND	FUEL STORAGE TANKS				
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)				
2.74.56C 411-134 QJVF962002 1,550							
9. COST ESTIMATES							

J. COST ESTIMATE				
	İ		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UNDERGROUND FUEL STORAGE TANKS	EA	26		682
REPLACE UNDERGROUND TANKS	EA	10	40,000	(400)
UPGRADE EXISTING UNDERGROUND TANKS	EA	5	34,400	(172)
REMOVE UNDERGROUND TANKS	EA	11	10,000	(110)
SUPPORTING FACILITIES	1			640
SITE IMPROVEMENTS/REMEDIATION	LS			(640)
SUBTOTAL		ę .		1,322
CONTINGENCY (10%)				132
TOTAL CONTRACT COST				1,454
SUPERVISION, INSPECTION AND OVERHEAD (6%)				87
TOTAL REQUEST				1,541
TOTAL REQUEST (ROUNDED)				1,550
		}		

- 10. Description of Proposed Construction: Remove 11 underground storage tanks (USTs). Dispose of tank, sludge, and test soil at each site. Remediate contaminated soil. Install 10 new double-walled underground tanks & upgrade 5 existing tanks with double-wall piping, interstitial leak detectors, cathodic protection and spill/overfill protection.
- 11. REQUIREMENT: As required.

PROJECT: Remove, replace and upgrade underground fuel storage tanks
(USTs). (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. Upgrade all USTs regulated by 40 CFR 280 to new standards by Dec 1998. The Environmental Protection Agency (EPA) has set standards that require all regulated USTs to have leak detection, corrosion protection, and spill/overfill prevention systems. Adequate fuel storage, properly designed and located, is required to comply with wing mission requirements. All petroleum dispensing and operating facilities must be provided with a positive means for preventing release of pollutants into the surrounding environment.

CURRENT SITUATION: USTs at Minot AFB facilities do not meet federal law (40 CFR 280) and state requirements for leak detection, cathodic protection, and spill/overfill protection. These deficiencies must be corrected by December 1998 to prevent violation of federal UST regulations.

IMPACT IF NOT PROVIDED: Failure to replace these tanks at Minot AFB will result in an unacceptable risk of pollution. Additionally, Minot AFB will fail to be in compliance with federal and state environmental requirements, thereby subjecting the base to enforcement actions and monetary penalties. If this project is not accomplished by the

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATE (computer generated)	2. DATE
3. INSTALLATION AND LOCATION MINOT AIR FORCE BASE, NORTH DAKOTA	
4. PROJECT TITLE	5. PROJECT NUMBER
UNDERGROUND FUEL STORAGE TANKS	QJVF962002

established deadline, December 1998, the base will be in violation of the law and subject to receiving Notices of Violation, fines and significant adverse publicity.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT						
1. COMPONENT 2. 2.						
IR FORCE	(computer generated)					
. INSTALLATI	ON AND LOCATION					
INOT AIR FOR	CE BASE, NORTH DAKOTA					
. PROJECT TI	TLE	5. PROJECT NUMBE				
NDERGROUND F	UEL STORAGE TANKS	QJVF962002				
2. SUPPLEME	NTAL DATA:					
z. GOFFBERE	MIND DAIA.					
a. Estimat	ed Design Data:					
(1) St	atus:					
(a)	Date Design Started	94 AUG 1				
(b)	Parametric Cost Estimates used to develop co	osts				
(c)	Percent Complete as of Jan 1995 '	35				
(d)	Date 35% Designed.	94 SEP 1				
	Date Design Complete	95 OCT 1				
(2) Ba	sis:					
, ,	Standard or Definitive Design -	NO				
* *	(b) Where Design Was Most Recently Used -					
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$00				
	Production of Plans and Specifications	9				
	All Other Design Costs	•				
	Total	9				
	Contract	7				
	In-house	9				
(6)	z	,				
(4) Co.	nstruction Start	96 AP				
n						
 Equipment 	<pre>associated with this project will be provided iations: N/A</pre>	i from				

FY 1996 MILITARY CONSTRUCTION PROGRAM Computer generated	1. COMPONENT										2.	DA	ΓE	
3. INSTALLATION AND LOCATION A. COMMAND AIR FORCE BASE AIR FORCE COST INDEX INDEX		FY	1996	MILIT	ARY CO	NSTRU	CTION	PROG	RAM		İ			
WRIGHT-PATTERSON AIR FORCE BASE, AIR FORCE COST INDEX OLS9					puter (genera	ated)				<u> </u>			
STRENGTH	1	. INSTALLATION AND LOCATION 4. COMMAND					5. AREA CONST							
	WRIGHT-PATTER	SON AIR F	FORCE	BASE,		1					COST INDEX			DEX
STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV OTAL						MATERIEL COMMAND			0.89					
a. As of 30 SEP 94 3688 3043 13804 342 92 110 16 22,095 b. End FY 2000 3078 2952 11051 342 92 110 16 18,641 7. INVENTORY DATA (\$000) a. Total Acreage: (8,245)	6. PERSONNEL	1	I	PERMAN	ENT	S	UDENT	<u>s</u>	SUP	POR?	CED			
D. End FY 2000 3078 2952 11051 342 92 110 16 18,641	STRENGTH						ENL	CIV	OFF	ENI	- 1	CIV		
7. INVENTORY DATA (\$000) a. Total Acreage: (8,245) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: 76,670 d. Authorization Requested In This Program: 4,100 e. Authorization Included In Following Program: (FY 1997) 19,400 f. Planned In Next Four Program Years: 16,650 g. Remaining Deficiency: 150,500 h. Grand Total: 1,121,926 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (5000) START CMFL 813-231 UPGRADE ELECTRICAL LS 4,100 JUN 94 AUG 95 DISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISTION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 9b. Future Projects: Typical Planned Next Four Years: 171-851 APIT OFERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 1. Outstanding pollution: 4,200 b. Water pollution: 2,000 c Occupational safety and health: 0	a. As of 30 S	EP 94			1	1 :			1 1	11	10	16	22,	095
a. Total Acreage: (8,245) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: 76,670 d. Authorization Not Yet In Inventory: 76,670 d. Authorization Requested In This Program: (FY 1997) 19,400 e. Authorization Included In Following Program: (FY 1997) 19,400 f. Planned In Next Four Program Years: 16,650 g. Remaining Deficiency: 150,500 h. Grand Total: 1,121,926 S. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (5000) START CMFL 813-231 UPGRADE ELECTRICAL LS 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 1. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0	b. End FY 200	0	3078	2952	11051	342			92	11	10	16	18,	641
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: l. 150,500 l. Grand Total: l. 121,926 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE SCOPE PROJECT TITLE SCOPE SCOPE DISTRIBUTION SYSTEM TOTAL: 1,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTRE ENGINEERING AND RESEARCH LABORATORY 311-173 REMOVATE ACQUISITION MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM MANAGEMENT FACILITY, PHASE IV 871-1851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:			7	. INV	ENTORY	DATA	(\$000)						
C. Authorization Not Yet In Inventory: d. Authorization Requested In This Program:	a. Total Acre	age: (8,2	(45)										l
d. Authorization Requested In This Program: e. Authorization Included In Following Program: f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: COT TOTAL: 8. PROJECT REQUESTED IN THIS PROGRAM: CODE PROJECT TITLE SCOPE 8. PROJECT TITLE 8. SCOPE 8. PROJECT TITLE 8. COST DESIGN STATUS CODE PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. PROJECT TITLE 8. COPE 8. COST DESIGN STATUS START CMPL 8. COPE 8. COST DESIGN STATUS TOTAL: 8. COPE 9. COST DESIGN STATUS TOTAL: 4,100 9. JUN 94 AUG 95 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 8. 2,000 MANAGEMENT FACILITY, PHASE IV 8. 2,000 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES 100 LOPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES 101 UPGRADE HEAT PLANT EMISSION 610-127 BASE ENGINEER ADMINISTRATION 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center, Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 d, 2000 c. Occupational safety and health:	b. Inventory	Total As	Of:	(30 SI	EP 94)						854	4,60	6	-
e. Authorization Included In Following Program: (FY 1997) 19,400 f. Planned In Next Four Program Years: 16,650 g. Remaining Deficiency: 150,500 h. Grand Total: 1,121,926 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (5000) START CMPL START CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL CMPL CMPL START CMPL CMPL CMPL CMPL CMPL CMPL CMPL START CMPL											76	5,67	0	
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 150,500 h. Grand Total: 1,121,926 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (5000) TOTAL: 1,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM MANAGEMENT FACILITY, PHASE IV 871-1851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 1. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0											4	4,10	0	
G. Remaining Deficiency: h. Grand Total: 150,500 h. Grand Total: 1,121,926					_			(FY]	1997)		19	9,40	0	1
Note	f. Planned In	Next Fou	r Pro	gram :	Years:		í							
R. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE PROJECT TITLE SCOPE PROJECT TITLE SCOPE PROJECT TITLE SCOPE PROJECT TITLE SCOPE START START CMPL 813-231 UPGRADE ELECTRICAL DISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	g. Remaining	Deficienc	y:								150	50,50	0	1
CATEGORY CODE PROJECT TITLE SCOPE SCOPE PROJECT TITLE SCOPE SCOPE START CMPL 133-231 BESIGN STATUS START CMPL 14,100 JUN 94 AUG 95 DISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	h. Grand Tota	1:								1,	12:	1,92	6	
CODE PROJECT TITLE SCOPE (\$000) START CMPL 813-231 UPGRADE ELECTRICAL	•	EQUESTED	IN TH	IS PRO	OGRAM:	FY 1	996							T
813-231 UPGRADE ELECTRICAL DISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	CATEGORY								COST	<u>D</u>	ESI	IGN	STAT	J <u>S</u>
PISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0	CODE	PROJE	CT TI	TLE		<u>s</u>	COPE		(\$000)	STA	ART	CM	PL
PISTRIBUTION SYSTEM TOTAL: 4,100 9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0										_				
9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0								LS	4,10	o J	UN	94	AUG	95
9a. Future Projects: Included in the Following Program (FY 1997) 171-851 ADD TO AND ALTER ENGINEERING 36,000 SF 7,500 AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM LS 2,000 TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0	DIS	TRIBUTION	SYST	'EM				_		-				
171-851 ADD TO AND ALTER ENGINEERING AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM SP. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 19,400 411-135 FUEL CONTAINMENT DIKES 1S 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION 1S 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 0	0		T 1								071			
AND RESEARCH LABORATORY 311-173 RENOVATE ACQUISITION 94,500 SF 9,900 MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0	l .	-						-			9/))		
311-173 RENOVATE ACQUISITION MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	1					3	6,000	SF	7,50	U				
MANAGEMENT FACILITY, PHASE IV 871-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 4,200 b. Water pollution: 0	· · · · · · · · · · · · · · · · · · ·				Ĺ	•	4 500	an	0 00	_				
871-183 UPGRADE STORM DRAINAGE SYSTEM TOTAL: 19,400 9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	l .						4,500	Sr	9,90	J				Ì
9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	1			•				T C	2 00	^				
9b. Future Projects: Typical Planned Next Four Years: 171-851 AFIT OPERATIONS COMPLEX 82,500 SF 9,400 411-135 FUEL CONTAINMENT DIKES LS 600 TURN KEY 610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	8/1-183 UPGR	ADE STORM	DRAI	NAGE S	SISTEM		momat.	_		-				- 1
171-851 AFIT OPERATIONS COMPLEX 411-135 FUEL CONTAINMENT DIKES 610-127 BASE ENGINEER ADMINISTRATION 82,500 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	Ob Eutumo D	wa i aata.	mi	anl Di	bannad					<u> </u>				
411-135 FUEL CONTAINMENT DIKES 610-127 BASE ENGINEER ADMINISTRATION 821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	1									n				
610-127 BASE ENGINEER ADMINISTRATION 26,000 SF 2,500 821-116 UPGRADE HEAT PLANT EMISSION LS 4,150 CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:						0	2,500		•		אסוזי	מע נ	v	
821-116 UPGRADE HEAT PLANT EMISSION CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0					ነጥ ፓ ር እነ	2	6 000					· KE	•	
CONTROL SYSTEM 10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0						2	5,000							1
10. Mission or Major Functions: Headquarters Air Force Materiel Command; an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0				E41795	TON			ديد	7,13	J				1
an air base wing with C-21 aircraft: Air Force Security Assistance Center; Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0				ione:	Heado	marte	re Air	For	ce Ma	teri	اء	Com	mand	- +
Aeronautical Systems Center with Wright Laboratory; Materiel System Group; Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:														
Joint Logistic Systems Center; Air Force Institute of Technology; Air Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0														
Intelligence Agency's National Air Intelligence Center; Air Force Reserve airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0														´
airlift wing with two C-141 squadrons; Air Force Museum; and a major USAF medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0														
medical center. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	_					_								
11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	_		C-141	squat	ar Ons ;	WIT L	OICE F	.useu	ini, and	u a	a_	, • •	JUAL	
a. Air pollution: 4,200 b. Water pollution: 2,000 c. Occupational safety and health: 0			tion	and ea	fety /	OSH	defici	enci	es:					
b. Water pollution: 2,000 c. Occupational safety and health: 0	II. Outstallu.	riig porru	C 1 O 11	unu 50	recy (JU11)								
c. Occupational safety and health:	a. Air j	pollution	:								4,	200		
c. Occupational safety and health:	b. Water	r pollutio	on:								2,	000		
		-		y and	health				0					
		•										0		

1. COMPONENT	2	. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ION AND LOCATION 4. PROJECT TITLE UPGRADE ELECTRICAL	
WRIGHT-PATTER	RSON AIR FORCE BASE, OHIO DISTRIBUTION SYSTEM	
5. PROGRAM EL	LEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT	COST(\$000)

5. PROGRAM ELEMEN	r 6. CATEGORY CODE	7. PROJEC	T NU	MBER 8.	PROJECT	COST (\$000)
7.28.06	813-231	ZHTV97	3204			4,100
	9. cos	T ESTIMATE	S			
					UNIT	COST
	ITEM		U/M	QUANTITY	COST	(\$000)
UPGRADE ELECTRICA	L DISTRIBUTION SYS	TEM				3,350
UPGRADE SUBSTAT	IONS		LS			(2,300)
UPGRADE DISTRIB	UTION SYSTEM		LS			(1,050)
SUPPORTING FACILI	TIES					150
PAVEMENTS			LS			(45)
SITE IMPROVEMENT	rs		LS	ł		(105)
SUBTOTAL			1	•		3,500
CONTINGENCY (10%)						350
TOTAL CONTRACT CO	ST		İ	1		3,850
SUPERVISION, INSP	ECTION AND OVERHEAD	D (6%)				231
TOTAL REQUEST			İ			4,081
TOTAL REQUEST (RO	UNDED)					4,100
1			1	I	1	1

- 10. Description of Proposed Construction: Replace 6.9KV transformers at two substations with 12KV transformers and stepdown transformers at various facilities. Includes replacement of switches, relays, ancillary items and partial replacement of distribution lines.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade an electrical distribution system. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A reliable electrical distribution system is required to provide continuous electric service to various mission essential facilities, most of which support research and development activities. The existing system must be upgraded to meet current electrical codes, improve system reliability and efficiency, and to replace obsolete equipment which is no longer in production.

CURRENT SITUATION: Most of the base electrical distribution has been converted to 12KV system consisting of efficient and reliable components. However, some of the facilities are still served by a forty-year-old system which operates at 6.9KV, which is inefficient and unreliable. Replacement transformers are not commercially available and must be custom manufactured at a premium price. A recent transformer failure resulted in a laboratory being without power for three days before a connection to a 12KV line could be completed. Another leaking but operational transformer was used for a year before a replacement could be obtained and installed. IMPACT IF NOT PROVIDED: Transformer failures will lead to longer power outages for facilities such as system program offices and laboratories. This will result long delays in laboratories activities and increased operation and maintenance cost.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT	2	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	AT.	
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
WRIGHT-PATTERSON AIR FORCE BASE, OHIO		
4. PROJECT TITLE	5. PROJ	JECT NUMBER
	1	
UPGRADE ELECTRICAL DISTRIBUTION SYSTEM	ZHTV	7973204

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception has has been prepared.

. COMPONE	TNE		2. I	DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
IR FORCE		• (computer generated)		
. INSTALL	ATIC	ON AND LOCATION		
RIGHT-PAT	TERS	SON AIR FORCE BASE, OHIO		
. PROJECT			PROJECT	NUMBE
PGRADE EL	ECT	RICAL DISTRIBUTION SYSTEM	ZHTV973	204
2. SUPPL	EMEN	ITAL DATA:		
a. Esti	.mate	ed Design Data:		
(1)	Sta	tus:		
		Date Design Started		JUN 19
		Parametric Cost Estimates used to develop cos	ts	3
		Percent Complete as of Jan 1995		359
		Date 35% Designed.		DEC 20
	(e)	Date Design Complete	95	AUG 25
(2)	Bas	is:		
	(a)	Standard or Definitive Design -	N	0
	(b)	Where Design Was Most Recently Used -	N	/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$000
		Production of Plans and Specifications		240
		All Other Design Costs		130
	(C)	Total		370
	• •	Contract		310
	(e)	In-house		60
(4)	Con	struction Start		96, FEE
Equipmo	ent opri	associated with this project will be provided ations: N/A	from	

1. COMPONENT	nv 10	06 WTT T	מממח	10mm	m T C 1	יססמי	אמכ	2	. DA	re
AIR FORCE	FY 19	96 MILI				PROGI	KAM			
3. INSTALLATION	ON AND LOCA		nputer o	-	MMAND			- -	ADI	EA CONS
. INSTABLATI	ON AND LOCA	11011			DUCAT	TON		٦		ST INDE
ALTUS AIR FOR	CE BACE OF	ZMOHAJ		1	RAINI		חוא ב אאר	j		.92
. PERSONNEL	CE BASE, OR	PERMAI	שות		UDENTS			PORTE		32
STRENGTH	+=	FF ENL		OFF		CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S		84 261:		322	239		1	6	 	4,02
. As Of 30 S.		01 176		1 1	239		1	6	'	4,02
. Ella FI 200	J 4		/ENTORY						12	3/33
. Total Acre	age: (4,698)	ENTORI	DAIN	(\$000)				 	
. Inventory	•		FD GAL					1	86,23	17
. Authorizat									77,76	
. Authorizat			_	rem.					1,20	
. Authorizat	_		_	-	am• /	FV 1	9971		4,00	
. Planned In			_	rrogr	am. (,			6,50	
. Planned in . Remaining I		rrogram	rears.						13,56	
. Grand Total	_				£				89,25	
. PROJECTS RI		THIS PE	OGRAM.	FY 1	996				05,23	
ATEGORY	A CALCAOO	11110 11			330		COST	DE.	STGN	STATUS
CODE	PROJECT	ጥፐጥኒድ		s	COPE		(\$000		TART	CMPL
CODE	INCOBET	11110		2	<u> </u>		1000			<u> </u>
79-511 FIRE	TRAINING F	ACILITY			1	EA	1,20	0 JU	N 94	JUL 9
					TOTAL:	-	1,20			
a. Future Pi	ojects: I	ncluded	in the	Follo	wing F	rogr	am (F	Y 199	7)	
	DEVELOPME				9,000	_	4,00		·	
COM	PLEX									
					TOTAL:	_	4,00	<u> </u>		
b. Future Pr	ojects: T	ypical F	lanned	Next	Four Y	ears	:			
49-962 CONTI	OL TOWER				1	EA	2,55	0		
11-135 IMPRO	VE JET FUE	LSTORAG	E			LS	3,95	0		
	r Major Fu									
quadron and c										
ircrews; and										
C-135 aircrew	s; also des	signated	to be	the p	rimary	bas	e for	trai	ning	C-17
ircrews.										
1. Outstandi	ng pollutio	on and s	afety (OSH)	defici	.enci	es:			
_	ollution:								0	
	pollution								O	
-	ational sat	_	health	:					0	
d. Other	Environmen	ntal:							0)

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE ALTUS AIR FORCE BASE, OKLAHOMA FIRE TRAINING FACILITY 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) 8.57.56 179-511 AGGN953002 1,200 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) FIRE TRAINING FACILITY LS 850 SUPPORTING FACILITIES 210 UTILITIES LS 80) **PAVEMENTS** LS 60) SITE IMPROVEMENTS LS 70) SUBTOTAL 1,060 CONTINGENCY (5%) 53 TOTAL CONTRACT COST 1,113 SUPERVISION, INSPECTION AND OVERHEAD (6%) 67 TOTAL REQUEST 1,180 TOTAL REQUEST (ROUNDED) 1,200

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. The existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since April 1990; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using a mock-up structure with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	'A	2. D	ATE
AIR FORCE	(computer generated)			
3. INSTALLATIO	N AND LOCATION			
ALTUS AIR FORC	E BASE, OKLAHOMA			
4. PROJECT TIT	LE	5.	PROJECT	NUMBER
EIDE MONINING	PACTI TOV		NCCNOE 20	ົ້ວ

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONE	NT			2. DATE	
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A7		
AIR FORCE		(computer generated)			
3. INSTALL	FY 1996 MILITARY CONSTRUCTION PROJECT DATA CORCE (computer generated) STALLATION AND LOCATION AIR FORCE BASE, OKLAHOMA OJECT TITLE 5.				
			F 777	O TECON NUMBER	
4. PROJECT	111		5. PR	OJECT NUM	3EK
FIRE TRAIN	ING	FACILITY	AG	GN953002	
	-				
12. SUPPL	EMEN	TAL DATA:			
a Bati		d Design Date.			
d. ESTI	mate	ed Design Data:			٠
(1)	Sta	tus:			
\ - <i>\</i>				94 JUN	23
			osts		Y
				. 6	60%
	(d)	Date 35% Designed.		94 JUL	19
	(e)	Date Design Complete		95 JUL	17
(2)	Bas	is:			
• •				YES	
	, -	•		MOODY	
/3)	Tot	a) Cost (c) = (a) + (b) or (d) + (a).		460	
				(\$0	000) 50
	• •				16
					66
					00
	(e)	In-house			66
(4)	7 00	at mation Chart			
(4)	Con	struction Start		96 J	AN
			d from	n	
ther appro	pri	ations: N/A			

1. COMPONENT		•							12	DAT	'F'	
	FY	1996	MILIT	ARY CO	NSTRU	CTION :	PROG	RAM		DAL		
AIR FORCE			(com	puter (genera	ated)						
3. INSTALLATIO	ON AND LO	CATIO	NC		4. C	DNAMMO			5.	ARE	A COI	NST
					AIR I	FORCE				cos	T IN	DEX
TINKER AIR FOR	RCE BASE	, OKL	AHOMA		MATE	RIEL C	IAMMC	ND		0.	92	
6. PERSONNEL	_	I	PERMAN	ENT	S	UDENT	<u>S</u>	SUPP	ORTED			
STRENGTH				CIV		ENL	CIV	OFF	ENL C	IV	TOT	λL
a. As of 30 SE	EP 94			11678	1			231	961 7	70	22,0	065
b. End FY 2000)	1277	5952	10440				231	961 7	70	20,6	531
		7	7. INV	ENTORY	DATA	(\$000)					
a. Total Acres	age: (4,9	966)									
b. Inventory 1			-	-					700	,31	1	
c. Authorizati				-					62	,47	2	
d. Authorizati	_				-					,10	0	
e. Authorizati				_	_	am:	(FY)	1997)	16	,58	0	
f. Planned In			gram 1	Years:						,10		
g. Remaining D		y:							124			
h. Grand Total									958	,66	3	
8. PROJECTS RE	EQUESTED	IN TH	HIS PRO	OGRAM:	FY 1	996						
CATEGORY								COST	DESI	GN :	STATU	IS
CODE	PROJE	CT TI	TLE		S	COPE		(\$000)	STA	RT	CMP	<u>L</u>
721-312 ADD T	O AND AL	TER D	ORMITO	DRIES			_		DEC 9	92	SEP	93
	•					TOTAL:		5,100				
9a. Future Pr				in the					1997)			
214-425 CONSC					16	8,000	SF	8,300				
	ITENANCE		•	•							_	
871-183 UPGRA				SYSTEM			LS		TURN	KE	Y	
880-232 B-2 A	ECTION S						LS	5,400				
PROI	ECITON 2	ISIEM				TOTAL:	_	16 500				
9b. Future Pr	ojects:	Typi	cal Di	anned				16,580				\dashv
123-335 VEHIC				Lanneu	Next		OL	850				
211-157 EQUIP				·mv		-						
211-254 FUEL						•						
FACI		1100011	DDI OV	HIMMOT	, 0	0,300	3r	13,200				
	EERING A	ND TN	STAT.T.A	מחזת	6	6,000	C F	8,800				
	LITY				Ŭ	0,000	.	0,000				
880-000 FIRE		ALARM	SYSTE	MS	23	0,000	SF	1,000				
10. Mission o									Cente	or u	which	\dashv
is responsible										•	*****	i
maintenance of										aft.		
engines; an ai											n	
three E-3 airb												
and control sq												
squadron; an A										ior	า	
wing. A major			_	_		_		-				
11. Outstandi												
_	ollution									00		
	pollution		_						2,9			
-	ational :	-	•	health	:					0		
d. Other	Environ	menta:	Τ:							0		
												- 1

1. COMPONENT	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA 2. DATE
AIR FORCE		er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
TINKER AIR FORCE B	ASE, OKLAHOMA	ADD TO AND	ALTER DORMITORIES
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
7.28.96	721-312	WWYK880038	5,100

COST

9. COST ESTIMATE	٥			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ADD TO AND ALTER DORMITORIES (140 PN)	SF	57,000		3,638
ADDITION	SF	6,500	76	(494)
ALTERATION	SF	50,500	60	(3,030)
AUTOMATIC SPRINKLER SYSTEM	SF	57,000	2	(114)
SUPPORTING FACILITIES				760
UTILITIES	LS	·		(240)
PAVEMENTS	LS	}		(120)
SITE IMPROVEMENTS	LS			(50)
ASBESTOS REMOVAL	LS			(<u>350</u>)
SUBTOTAL				4,398
CONTINGENCY (10%)				440
TOTAL CONTRACT COST		,		4,838
SUPERVISION, INSPECTION AND OVERHEAD (6%)				290
TOTAL REQUEST				5,128
TOTAL REQUEST (ROUNDED)				5,100
	ł			

10. Description of Proposed Construction: Alter interior partitioning to provide room-bath-room modules, exterior entrances and balconies; extend roofline and upgrade exterior; install cable TV system; upgrade laundry rooms, HVAC and utility systems, remove asbestos and provide necessary support.

Air Conditioning: 150 Tons. Grade Mix: 140 El-E4.

11. REQUIREMENT: As required.

PROJECT: Add to and alter two dormitories. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs which these people must perform. Estimated intended utilization is 140 personnel: 140 E1-E4, with a maximum utilization of 140 personnel. CURRENT SITUATION: The buildings were constructed in 1960 when functional criteria and standards of construction for bachelor quarters were considerably lower. Common latrines, inadequate lighting, poor insulation and sound attenuation, obsolete electrical and mechanical systems, and lack of privacy are major deficiencies of these facilities. IMPACT IF NOT PROVIDED: Substandard living conditions will continue to degrade the morale, productivity and career satisfaction of enlisted personnel assigned to this base. ADDITIONAL: This project meets the criteria/scope specified in the new

uniform barracks standard established by OSD. An economic analysis has

been prepared comparing the alternatives of new construction,

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)	TA	2. DF	ATE
3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA			
4. PROJECT TITLE	5.	PROJECT	NUMBER
ADD TO AND ALTER DORMITORIES	1	พพงหลลบบ	38

revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in Military Handbook 1008-B, "Fire Protection for Facilities", dated 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

1. COMPONENT			2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A	1	
AIR FORCE	(computer generated)			
FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) 3. INSTALLATION AND LOCATION TINKER AIR FORCE BASE, OKLAHOMA 4. PROJECT TITLE 5. PR				
TINKER AIR FO	RCE BASE, OKLAHOMA			
		5. PRO	OJECT	NUMBE
ADD TO AND AL	TER DORMITORIES	ww:	YK8800	38
.2. SUPPLEME	NTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
(a)	Date Design Started		92	DEC 2
(b)	Parametric Cost Estimates used to develop co	osts		
(c)	Percent Complete as of Jan 1995			100
(d)	Date 35% Designed.		93	MAR O
(e)	Date Design Complete		93	SEP 1
(2) Ba	sis:			
(a)	Standard or Definitive Design -		YE	s
(b)		,	TI	NKER
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):			(\$000
				12
(b)	_			
(c)				12
(d)	Contract			. —
(e)	In-house			12
(4) Co	nstruction Start			96 FE
. Equipment	associated with this project will be provided			

Page No

1. COMPONEN	T								2	. DA	re	
	FY	1996	MILIT	ARY CO	NSTRUC	CTION :	PROGI	RAM				
AIR FORCE			(com	outer o	genera	ated)						
3. INSTALLA	TION AND LO	CATIC	N		4. CC	DINAMMO			5	. ARI	EA CO	NST
CHARLESTON	AIR FORCE	BASE,	SOUTH		AIR N	MOBILI	TY			COS	ST IN	DEX
CAROLINA					COMM	AND				0.	. 85	
6. PERSONNE	L	I	PERMANI	ENT	si	TUDENT	S	SUP	PORTE	RTED		
STRENGTH		OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOT	AL
a. As of 30	SEP 94	550	3563	1096				4	26	40	5,	279
b. End FY 2	000	480	3016	1023				4	26	40	4,	589
		7	. INV	ENTORY	DATA	(\$000)					
a. Total Ac	reage: (6,2	215)									Ì
b. Inventor	Y Total As	Of:	(30 SE	EP 94)					16	50,41	L3	1
c. Authoriz	ation Not N	et In	Inver	ntory:					3	36,60	00	
d. Authoriz	ation Reque	ested	In Thi	is Prog	gram:				1	2,50	00	l
e. Authoriza	ation Inclu	ıded [:] I	n Foll	lowing	Progr	am:	(FY I	1997)	3	35,10	00	
f. Planned	In Next Fou	ır Pro	gram 1	ears:]	9,80	00	
g. Remainin	g Deficiend	y:							8	9,40	0	ŀ
h. Grand To	al:								35	3,81	.3	ŀ
8. PROJECTS	REQUESTED	IN TH	IS PRO	GRAM:	FY 1	.996			•			
CATEGORY								COST	DES	IGN	STATU	JS
CODE	PROJE	CT TI	TLE		S	COPE		(\$000) SI	ART	CMI	PL
												_
141-753 C-	17 SQUADRON	OPER	ATIONS	5/	3	0,900	SF	5,600) JUL	93	AUG	95
A:	RCRAFT MAI	NTENA	NCE UN	IIT FAC								
171-212 C-	17 ADD TO F	LIGHT	SIMUI	LATOR		4,700	SF	1,300	OUA C	94	SEP	95
F	CILITY											Ì
721-312 DOI	RMITORY					136	PN _	5,600	DUA C	94	MAY	95
						TOTAL:		12,500				
II.	Projects:				Follo	_	_	•		')		
121-122 C-				PRON/			LS	13,200)			
	DRANT FUEL											
141-753 C-				•		0,900	SF	5,700)			
i	RCRAFT MAI											
	.7 ADD TO A				: 5	9,350	SF	4,600)			- 1
l .	INTENANCE			_								
211-173 C-1		MAIN	TENANC	Έ	2	6,400	SF	5,800)			l
!	CILITY											
721-312 ALT	ER DORMITC	RY				152	_	5,800	_			
						TOTAL:		35,100)			
	Projects:								_			
1	E/CRASH RE					4,700		1,100				
141-165 EXE						4,000		400				
411-135 IMF							LS	1,500				-
442-758 REF		UPPLI	ES & E	QUIP	19	4,000	SF	12,800)			- 1
	SE											j
	ROVE ROAD		 				LS	4,000				
10. Mission						-				•		
squadrons; a	n Air Forc	e Res	erve C	:-141/C	:-17 a	ssocia	ite a	irlift	wing	; an	Air	1

squadrons; an Air Force Reserve C-141/C-17 associate airlift wing; an Air National Guard air defense detachment with F-16 aircraft; a combat camera squadron; and the USAF Mobility Center.

. COMPONENT		1001				.m. 7				2. DAT	E	
TR BORGE	FY	1996	MILITA				PROGE	MAS	l			
IR FORCE	ON AND LO	CATI		puter (DMMAND				5 ARE	A CONS	
CHARLESTON AI						OBILI	rv				T INDE	
CAROLINA	K PORCE I	onoe,	500111		COMMA					0.85		
. PERSONNEL	-		PERMANI	ENT		UDENT	5	SUE	PORT		05	
STRENGTH	-	OFF		CIV	OFF	ENL	CIV	OFF	ENL		TOTAL	
. As of	-						-			1		
. End FY												
. Did II	A		7. INVI	ENTORY	DATA	(\$000	<u></u> 1 }					
. Total Acre	age:					14	<u>' </u>					
. Inventory		Of:										
. Authorizat			n Inve	ntorv:								
d. Authorizat					gram:							
. Authorizat						am:						
. Planned In				_								
g. Remaining			- -									
. Grand Tota		- 2 -										
	ling pollu	ution	and sa	afety	(OSH)	defic	ienci	.es:				
				•	` '							
a. Air	pollution	n:								1,200)	
	r polluti									C)	
c. Occu	pational	safet	y and	healt	h:					C)	
d. Othe	er Environ	nmenta	al:							C)	
				2								
				•								

1. COMPONENT			2. DATE
	FY 1996 MILITARY (CONSTRUCTION PROJECT	DATA
AIR FORCE	(comput		
3. INSTALLATIO	ON AND LOCATION	4. PROJECT	TITLE
CHARLESTON AIR	ON OPERATIONS/		
CAROLINA		AIRCRAFT MA	INTENANCE UNIT FAC
5. PROGRAM ELE	EMENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
•			
4.11.30	141-753	DKFX943002	5,600

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
C-17 SQUADRON OPERATIONS/ AIRCRAFT				
MAINTENANCE UNIT FACILITY	SF	30,900	105	3,245
SUPPORTING FACILITIES				1,745
UTILITIES	LS			(525)
PAVEMENTS	LS			(475)
SITE IMPROVEMENTS	LS		ł	(395)
DEMOLITION/ASBESTOS REMOVAL/DISPOSAL	SF	8,900	29	(260)
ELEVATOR	EA	1	90,000	(90)
SUBTOTAL				4,990
CONTINGENCY (5%)				250
TOTAL CONTRACT COST				5,240
SUPERVISION, INSPECTION AND OVERHEAD (6%)	i			314
TOTAL REQUEST				5,554
TOTAL REQUEST (ROUNDED)	ĺ			5,600
	1			
	1			

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls with exterior brick veneer, sloped roof system, fire protection system, utilities, elevator, demolition, asbestos removal/disposal, site improvements, and necessary support.

Air Conditioning: 65 Tons.

11. REQUIREMENT: As required.

PROJECT: Construct a C-17 Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (New Mission)

REQUIREMENT: This project is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized and dispersed facilities into a functional and adequately sized structure to support the beddown of the C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998. Space is required for Ops/AMU management support,

briefing/debriefing, flight planning, training and testing, flying/ground safety, tool rooms, bench stock, standardization/evaluation, locker rooms, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: The existing squadron operations and aircraft maintenance facilities were designed to support C-141 aircraft. They are undersized and not configured to support the much larger unified squadrons supporting the new and larger C-17 aircraft. The squadron operations and

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	2. Di	ATE
AIR FORCE	(computer generated)			
	ON AND LOCATION R FORCE BASE, SOUTH CAROLINA			
4. PROJECT TI		5. PR	OJECT	NUMBER
C-17 SQUADRON	OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	DK	FX943	002

maintenance personnel operate out of two small separated buildings. The physical separation creates fragmented lines of communications/authority. They are overcrowded and inadequately configured. Inefficiencies include lack of space for planning, briefing, administration, storage and issue of parts, flying clothing and equipment. Upon completion of this project, one substandard facility totalling 8,900 SF will be demolished. Interim relocatable facilities have been purchased to support the new C-17 squadron operations/AMU facility requirements until this project is completed.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separated, undersized, and interim facilities and will never develop the cohesiveness necessary to become an efficient and effective operational organization. The physical separation will continue to hamper the lines of authority and communications throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. Full implementation of the more effective Objective Wing squadron and adequate beddown of the C-17s will be degraded. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT I	ATAC	
AIR FORCE	(computer generated)		
3. INSTAL	LATION AND LOCATION		
	N AIR FORCE BASE, SOUTH CAROLINA		
4. PROJEC	f TITLE	5. PR	OJECT NUMBER
C-17 SQUA	DRON OPERATIONS/ AIRCRAFT MAINTENANCE UNIT FAC	DKI	FX943002
l2. SUPPI	LEMENTAL DATA:		
a. Esti	mated Design Data:		
	•		
(1)	Status:		
	(a) Date Design Started		93 JUL 16
	(b) Parametric Cost Estimates used to develop	costs	Y
	(c) Percent Complete as of Jan 1995		50%
	(d) Date 35% Designed.		94 FEB 15
	(e) Date Design Complete		95 AUG 19
(2)	Basis:		
	(a) Standard or Definitive Design -		YES
	(b) Where Design Was Most Recently Used -		MCGUIRE
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	(a) Production of Plans and Specifications		335
	(b) All Other Design Costs		360
	(c) Total		695
	(d) Contract		600
	(e) In-house		95
(4)	Construction Start		95 DEC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT										2	. D	ATE
	F	199	6 MILIT	ARY C	ONSTR	UCTI	ON	PROJECT	DAT	'A		
AIR FORCE			(00	omput	er ge	nera	ited)				
3. INSTALLATIO	N ANI	LOC	ATION			4	. P	ROJECT	TITL	E		
CHARLESTON AIR FORCE BASE, SOUTH C-17 ADD TO FLIG							GHT SIM	HT SIMULATOR				
CAROLINA						F	ACI	LITY				
5. PROGRAM ELE	MENT	6. C	ATEGORY	CODE	7. P	ROJE	CT I	NUMBER	8.	PROJECT	COS	ST(\$000)
4.11.30			171-212		Di	KFX9	630:	32			1,	,300
			9	. cos:	r EST	IAMI	'ES					
										TINITO		COST

TMDV			UNIT	COST
ITEM	+	QUANTITY		(\$000)
C-17 ADD TO FLIGHT SIMULATOR FACILITY	SF	4,700	190	893
SUPPORTING FACILITIES	j			205
UTILITIES	LS			(75)
SEISMIC	LS			(60)
SITE IMPROVEMENTS	LS			(70)
SUBTOTAL			ĺ	1,098
CONTINGENCY (10%)				110
TOTAL CONTRACT COST				1,208
SUPERVISION, INSPECTION AND OVERHEAD (6%)				72
TOTAL REQUEST				1,280
TOTAL REQUEST (ROUNDED)				1,300
EQUIPMENT FROM OTHER APPROPRIATIONS (NON-ADD)				(20,000)
(,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				(20,000)
				1

10. Description of Proposed Construction: Demolition of existing exterior wall, construction of two-story addition to existing simulator facility with high bay area, sloped roof, concrete foundation and floor slab, exterior masonry walls with brick veneer to match existing facility, and necessary support.

Air Conditioning: 25 Tons.

11. REQUIREMENT: 22,879 SF ADEQUATE: 18,179 SF SUBSTANDARD: 0
PROJECT: Add to a C-17 flight simulator facility. (New Mission)
REQUIREMENT: An addition to the existing C-17 flight simulator facility is required to house the last of three C-17 flight simulators to be delivered to Charleston AFB. This simulator will provide initial training, proficiency, and effective mission procedures training. It is essential for providing hazardous emergency training procedures that cannot otherwise be provided. Required areas include a simulator bay, computer room, briefing room, and an associated hydraulic area. Facility construction is required in FY96 to support simulator equipment delivery date in Sep 1997.

CURRENT SITUATION: This project is the second phase of a two-phase program to construct a flight simulator addition for the beddown of the C-17 aircraft at this installation. The first phase which provided two bays was approved in the FY89 MILCON program to support initial delivery of the new aircraft. This addition will provide the final bay needed to support C-17 aircrew training requirements associated with the acquisition of 40 C-17 aircraft. The first C-17s arrived in 1993 and will total 40 by September 1998.

IMPACT IF NOT PROVIDED: A complete beddown of the C-17 aircraft cannot be accomplished without providing required flight simulator facilities for

	1. COMPONENT		2. D	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A		
Ì	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
1	CHARLESTON AIR FORCE BASE, SOUTH CAROLINA		•	
	4. PROJECT TITLE	5. PF	OJECT	NUMBER
1	C-17 ADD TO FLIGHT SIMULATOR FACILITY	DK	FX963	032

training aircrews. A delay in required construction could also lead to liability claims against the government from the simulator contractor for not providing adequate facilities.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT	FY 1996 MILIT	TARY CONSTRUCTION	PROJECT DATA	2. DATE			
AIR FORCE	(0	computer generated	i)				
3. INSTALLATIO	ON AND LOCATION						
	R FORCE BASE, SOU	TH CAROLINA					
4. PROJECT TI	rle		5. PF	ROJECT NUMBER			
C-17 ADD TO F	LIGHT SIMULATOR F	PACILITY	DK	FX963032			
12. SUPPLEME	NTAL DATA:						
a. Estimate	ed Design Data:						
\ - <i>,</i> =	atus:						
The state of the s	Date Design Sta			94 AUG 29			
		Estimates used t	o develop costs	Y			
	— — — — — — — — — — — — — — — — — — —	e as of Jan 1995	·	35% 94 OCT 13			
• •	(d) Date 35% Designed.(e) Date Design Complete						
(e)	Date Design Com	ibiece		95 SEP 01			
(2) Bas		initivo Dogico -		NO			
		Standard or Definitive Design - Where Design Was Most Recently Used -					
(3) Tot	al Cost (c) = (a) + (b) or (d) +	(e):	(\$000			
(a)	Production of P	lans and Specific	ations	75			
(b)	-	n Costs		55			
(c)				130			
	Contract			110			
(e)	In-house			20			
(4) Cor	struction Start			96 APR			
. Equipment other appropri		this project will	be provided fro	m			
cher appropri	acions:						
			FISCAL YEAR				
	PMENT	PROCURING	APPROPRIATED	COST			
NOMEN	CLATURE	APPROPRIATION	OR REQUESTED	(\$000)			
-17 FLIGHT SI	MULATOR DEVICE	3010	FY97	20000			

Page No

DD FORM 1391C, DEC 76

1. COMPONENT								2	. DATE
	FY	1996 MILIT	ARY CO	ONSTRUCT	MOIT	PROJECT	DA'	ra	
AIR FORCE		(00	ompute	er gener	ated	i)			
3. INSTALLAT	ON AND	LOCATION			4. I	PROJECT '	riti	Ŀ	
CHARLESTON A	R FORCE	E BASE, SOU	ГH						
CAROLINA					DORN	ITORY			
5. PROGRAM EI	EMENT 6	. CATEGORY	CODE	7. PROJ	JECT	NUMBER	8.	PROJECT	COST(\$000)

 5. PROGRAM ELEMENT
 6. CATEGORY CODE
 7. PROJECT NUMBER
 8. PROJECT COST (\$000 or 100

9. COST ESTIMATES

3, 0001 2011101				
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
DORMITORY (136 PN)				3,961
DORMITORY	SF	48,300	80	(3,864)
AUTOMATIC SPRINKLER PROTECTION	SF	48,300	2	(97)
SUPPORTING FACILITIES				1,055
UTILITIES	LS			(600)
PAVEMENTS	LS			(330)
SITE IMPROVEMENTS	LS			(<u>125</u>)
SUBTOTAL				5,016
CONTINGENCY (5%)		·		251
TOTAL CONTRACT COST				5,267
SUPERVISION, INSPECTION AND OVERHEAD (6%)				316
TOTAL REQUEST				5,583
TOTAL REQUEST (ROUNDED)				5,600

10. Description of Proposed Construction: Three-story structure with reinforced concrete foundation and floor slabs, masonry walls, and roof. Includes room-bath-room modules, laundry areas, storage, chiller plant, lounge areas, and all necessary support.

Air Conditioning: 100 Tons. Grade Mix: 136 El-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 136 personnel: 136 E1-E4, with a maximum utilization of 136 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing dorms are fully occupied. There are currently in excess of 240 E-1 through E-4 enlisted personnel living off-base due to lack of adequate on-base quarters. Requested construction will greatly reduce this existing deficit.

IMPACT IF NOT PROVIDED: Unaccompanied enlisted personnel will have to continue living off-base resulting in a \$1.9 million payment of BAQ/VHA/BAS allowances annually.

<u>ADDITIONAL</u>: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing alternatives of new construction and status quo

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
	ION AND LOCATION	
CHARLESTON A	IR FORCE BASE, SOUTH CAROLINA	
4. PROJECT T	ITLE 5.	PROJECT NUMBER
DORMITORY		DKFX963040

(sending enlisted personnel off-base paying BAQ/VHA). Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

1. COMPONI	ENT			2. D	ATE	
		FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA			
AIR FORCE		(computer generated)				
3. INSTALI	LATIC	N AND LOCATION				
		FORCE BASE, SOUTH CAROLINA				
4. PROJECT	r TIT	LE	5. PRO	DJECT	NUM	3ER
DORMITORY			DKE	x9630	040	
12. SUPPI	LEMEN	TAL DATA:				
		1 Declar Data				
a. Esti	ımate	d Design Data:				
(1)	Sta	+uc. :				
(1)		Date Design Started		9.4	AUG	01
		Parametric Cost Estimates used to develop	costs	74	AUG	Y
		Percent Complete as of Jan 1995			,	- 30%
		Date 35% Designed.		95	FEB	
		Date Design Complete			MAY	
	(-/					
(2)	Bas	is:				
` ,	(a)	Standard or Definitive Design -		YE	S	
	(b)	Where Design Was Most Recently Used -		CH	ARLE	ST
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):			(\$0	000)
	(a)	Production of Plans and Specifications			3	36
		All Other Design Costs			2	29
	(C)	Total			5	65
		Contract			4	50
	(e)	In-house			1	.15
(4)	Con	struction Start			95 D	EC

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT							[2	2. DA	re
	Y 1996 MILIT				PROGI	RAM			
AIR FORCE 3. INSTALLATION AND		puter o		DMMAND				201	EA CONS'
3. INSTALLATION AND	LOCATION		4. 00	JEMAND			1		ST INDEX
SHAW AIR FORCE BASE,	בטוודנו מאסטו	TND	ATD C	COMBAT	COM	(D NID			.79
6. PERSONNEL	PERMAN			CUDENT			PPORTI		. / 3
STRENGTH	OFF ENL	CIV			CIV	OFF		CIV	TOTAL
a. As of 30 SEP 94	710 4531			DND	014	3	2.0	134	
b. End FY 2000	709 4458					3		134	
D. D. D. T. 2000		ENTORY	DATA	(\$000			L	1204	37.3
a. Total Acreage: ('				
b. Inventory Total A	•	EP 94)]	85,00	00
c. Authorization Not								8,25	
d. Authorization Reg			ram:					1,30	
e. Authorization Inc				am:	(FY]	1997)		7,51	
f. Planned In Next F		_	-	ŧ		,		3,80	
q. Remaining Deficie								80,66	
h. Grand Total:	•						2	86,52	20
8. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY 1	1996					· · · · · · · · · · · · · · · · · · ·
CATEGORY						cos	r DE	SIGN	STATUS
CODE PRO	JECT TITLE		S	COPE		(\$000) <u> </u>	TART	CMPL
			-						
871-183 UPGRADE STO	RM DRAINAGE	SYSTEM			LS	1,30	00 JU	JL 94	SEP 95
				TOTAL	<u> </u>	1,30	00		
9a. Future Projects	: Included	in the	Follo	wing 1	Progr	am ()	FY 199	7)	
130-835 SECURITY PO	LICE OPERATI	ONS	2	23,000	SF	3,70	50		
831-155 INDUSTRIAL	WASTEWATER				LS	1,00	00		
PRETREATME	NT FACILITIE	S							
832-266 UPGRADE SAN	ITARY SEWER	SYSTEM			LS _	2,7	<u>50</u>		
				TOTAL	:	7,5	10		
9b. Future Projects									
722-351 DINING FACI		OP	2	24,000	SF	3,80	00		
ISSUE WARE									
10. Mission or Majo									
wing which includes	three F-16 s	quadro	ns, or	ne A/O	A-10	squa	dron,	and a	an air
control squadron.									
 Outstanding pol 	lution and s	afety	(OSH)	defic	ienci	les:			
									_
a. Air polluti								3,000	
b. Water pollu								5,200	_
c. Occupationa		l health	1:)
d. Other Envir	onmental:							6,800)

1. COMPONENT	1										2.	DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA								A			
AIR FORCE		(0	ompute	er ç	jener	ate	<u>1)</u>					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE						E						
1												
SHAW AIR FORCE	CE BASI	E, SOUTH CAR	OLINA			UPGI	RADE	STO	RM D	RAINAG	E S	YSTEM
5. PROGRAM EI	LEMENT	6. CATEGORY	CODE	7.	PROJ	FCT	NUM	BER	8.	PROJEC	r c	OST(\$000)
ļ												
2.74.56C	2.74.56C 871-183 VLSB963003						1,300					
		9	. cos	r Es	TIMA	TES		· · · · · ·				
										UNIT		COST

9. COST ESTIMAT	ES			·
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE STORM DRAINAGE SYSTEM	LS			1,100
ELIMINATE CROSS CONNECTIONS	LS			(600)
ELIMINATE RUNOFF FROM INDUSTRIAL AREAS	LS	,		(500)
SUPPORTING FACILITIES	İ			10
SITE IMPROVEMENTS	LS	}		(10)
SUBTOTAL				1,110
CONTINGENCY (10%)		ę		111
TOTAL CONTRACT COST	i i			1,221
SUPERVISION, INSPECTION AND OVERHEAD (6%)	İ			73
TOTAL REQUEST				1,294
TOTAL REQUEST (ROUNDED)			!	1,300
		1		
		1		
	1 1	<u> </u>		

- 10. Description of Proposed Construction: Provide improvement of storm water quality by elimination of cross-connections (sanitary to storm sewer connections, process/nonprocess waters entering the storm drainage system), elimination of storm water runoff from potential contaminant areas, and construction of berming/containment at potential spill/leak areas to prevent these contaminants from entering the storm drain.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade storm drainage system. (Current Mission)

REQUIREMENT: This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Shaw AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges.

CURRENT SITUATION: Shaw AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the NPDES permit. There are industrial buildings where floor drains are connected to the storm drainage system, and areas with oil-water separators connected to the storm drainage system. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. These existing non-storm water discharges into the storm drainage system are not allowed by the NPDES permit. Control of storm water runoff is essential to prevent contamination of Long Branch Creek, Mush Branch Creek and the

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION	PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	ON AND LOCATION CE BASE, SOUTH CAROLINA		
4. PROJECT T		5. P	ROJECT NUMBER
UPGRADE STORM	M DRAINAGE SYSTEM	V	LSB963003

Pocotaligo River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan.

IMPACT IF NOT PROVIDED: Shaw AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	.TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	E BASE, SOUTH CAROLINA	E PROTECT WITHOUT
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE STORM	DRAINAGE SYSTEM	VLSB963003
12. SUPPLEME	NTAL DATA:	
12. SUPPLEME	MIAL DAIA.	
a. Estimat	ed Design Data:	
•	•	
(1) St		
(a)		94 JUL 01
	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	60%
(d)	Date 35% Designed.	94 SEP 01
(e)	Date Design Complete	95 SEP 01
(2) Ba		
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	78
(b)	All Other Design Costs	52
(c)	Total	130
(d)	Contract	78
(e)	In-house	52
(4) Co	nstruction Start	96 JAN
b. Equipment	associated with this project will be provide	ed from

other appropriations: N/A

1. COMPONENT									2	. DAT	E		
AIR FORCE	FY	1996		ARY CON			PROGE	MAS					
				puter o						ADI	EA CON	ST	
3. INSTALLATION AND LOCATION 4. COMMAND AIR FORCE							1		-	COST INDEX			
							OWNAN	ID	1	0.90			
	LD AIR FORCE BASE, TENNESSEE MATERIEL COMMAND PERSONNEL PERMANENT STUDENTS SUPPOR							PORTE					
. PERSONNEL	-				OFF			OFF			TOTA	L	
STRENGTH	_		ENL	CIV	OFF	FNL	CIV	OFF		2 61		73	
a. As of 30		66	50	1			1			2 61		355	
b. End FY 20	00	65	46	181 ENTORY	חשת מ	15000	1	L		-1		-	
				ENTORI	DAIA	(3000	<u>' </u>						
a. Total Acr	eage: (39,0		DD 041					1.3	274,58	3.3		
b. Inventory	Total As	Of:	(30 5	EP 94)					-,.	2,40			
c. Authoriza	tion Not	Yet I	n Inve	ntory:						5,00			
d. Authoriza	tion Requ	ested	In Th	is Pro	gram:		/EV	1997)		3,80			
e. Authoriza	tion Incl	uded :	In FOI	Towing	Prog	rain:	(11)	1001,		3,5	0		
f. Planned I	n Next Fo	ur Pro	ogram	Years:		•				97,2	•		
g. Remaining	Deficien	cy:							1	382,9			
h. Grand Tot	.al:				- DV	1006			±,,	302,3			
8. PROJECTS	REQUESTED	IN T	HIS PR	ROGRAM:	F.X	1990		cos	ים יח	FSTGN	STAT	ıs	
CATEGORY						CODE		(\$00		START			
CODE	PROJ	ECT T	ITLE			SCOPE		(\$00	<u>o,</u>	SIANI	<u> </u>		
318-614 UPG	RADE ENGI	NE TE	ST FAC	CILITIE	s		LS	2,3	00 м	AR 94	JUN	9!	
RE	FRIGERATI	ON SY	STEM,	PLANT	В		LS	2,7	00 J	UN 93	AUG	9	
	KADE LIVE	FROI	DO110.										
	CUENC												
	STEMS					TOTA	L:	5,0	00				
SY		Inc	luded		Foll					97)			
SY 9a. Future	Projects:	Inc	luded	in the	Foll				FY 19	97)	· · · · · · · · · · · · · · · · · · ·		
9a. Future 318-614 UPG	Projects: GRADE ENGI	NE TE	ST FAC	in the	ES		Prog	ram (FY 19	97)			
9a. Future 318-614 UPG	Projects:	NE TE	ST FAC	in the	ES		Prog LS	ram (FY 19	97)			
9a. Future 318-614 UPG RE	Projects: GRADE ENGI	ON SY	ST FAC	in the	C C Next	Owing TOTA Four	Prog LS L: Year	3,8 3,8	FY 19 00				
9a. Future 318-614 UPG RE	Projects: GRADE ENGI FRIGERATI Projects:	ON SY	ST FAC	in the	C Next	TOTA Four	Prog LS L: Year	3,8 3,8 SES: Devel	FY 19 00 00	nt Cer	nter		
9a. Future 318-614 UPG RE 9b. Future 10. Mission	Projects: GRADE ENGI EFRIGERATI Projects:	Typ	STEM,	in the CILITIE PLANT Planned: Arno	C Next	TOTA Four	Prog LS L: Year ring nd ev	3,8 3,8 s: Devel	FY 19 00 00 opmer	nt Cer	porc		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct	Projects: GRADE ENGI EFRIGERATI Projects: n or Major	Type Func	ST FAC STEM, Dical I	in the CILITIE PLANT Planned: Arno pment, The	C Next	TOTA Four aginee	Prog LS L: Year ring nd ev	3,8 3,8 S: Devel	opmer ion inels,	nt Cer In sur	and		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct	Projects: GRADE ENGI EFRIGERATI Projects: n or Major	Type Func	ST FAC STEM, Dical I	in the CILITIE PLANT Planned: Arno pment, The	C Next	TOTA Four aginee	Prog LS L: Year ring nd ev	3,8 3,8 S: Devel	opmer ion inels,	nt Cer In sur	and		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engine	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce	Type Function, of	ST FAC STEM, Dical I Stions: Nevelop Sition space	in the CILITIE PLANT Plannec : Arno pment, . The simula	C Next	TOTA Four aginee	Prog LS L: Year ring nd ev	3,8 3,8 S: Devel	opmer ion inels,	nt Cer In sur	and		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a	Type Function, of acquisells,	STEM, cical letions: developsition space	in the CILITIE PLANT Planned: Arno pment, The simula	Next old Entesticomplation	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer In sur	and		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce	Type Function, of acquisells,	STEM, cical letions: developsition space	in the CILITIE PLANT Planned: Arno pment, The simula	Next old Entesticomplation	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer In sur	and		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin ranges is the second conduction of the second conduction	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce he largest nding poll	Typer Function of the control of the	STEM, cical letions: developsition space	in the CILITIE PLANT Planned: Arno pment, The simula	Next old Entesticomplation	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer In sur	and stic		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin ranges is the 11. Outstan a. Ai	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce he largest nding poll r pollutio	Type Function, can be selled in these selled in the selled in the selled in the selled in the selled	STEM, cical letions: developsition space	in the CILITIE PLANT Planned: Arno pment, The simula	Next old Entesticomplation	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer in sur jet a pallis	nnd stic		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin ranges is the conduct of the conduct	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce he largest nding poll r pollutio	Type Function, can be selled in the selled i	STEM, pical letions: developsition space the US	in the CILITIE PLANT Planned: Arno pment, The simulations	C C C Next old Er testi complation (OSH)	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer In sur jet a	nnd stic		
9a. Future 318-614 UPG RE 9b. Future 10. Mission which conduct of aerospace rocket engin ranges is the 11. Outstant b. Wat c. Oct	Projects: GRADE ENGI EFRIGERATI Projects: n or Major cts resear e system a ne test ce he largest nding poll r pollutio	Type Function, call to the function on:	STEM, pical letions: developsition space the US n and	in the CILITIE PLANT Planned: Arno pment, The simulations	C C C Next old Er testi complation (OSH)	TOTA Four aginee ng, a ex of chamb	L: Year ring nd ev winders,	3,8 3,8 s: Develvaluated tunnand h	opmer ion inels,	nt Cer in sur jet a pallis	oportand stic 00 00		

294

1. COMPONENT												2.	DATE
	F:	1996 N	AILIT.	ARY C	ONSTR	UCT	OI	1 PR	OJECT	DAT	A		
AIR FORCE (computer generated)													
3. INSTALLATION AND LOCATION 4. PROJECT TITLE													
UP							UPO	RAD	E ENG	INE S	rest F	'AC	ILITIES
ARNOLD AIR FO	DRCE BA	ASE, TEN	NESS:	EE		1	REF	RIG	ERATI	ON S	YSTEM,	P	LANT B
5. PROGRAM EI	EMENT	6. CATE	GORY	CODE	7. P					1			COST (\$000)
													• • • • • • • • • • • • • • • • • • • •
7.80.56		318	3-614		A	NZY	900	286					2,300
			9	. cos	r EST	IMA	TES	3					
UNIT COST													
		ITEM						U/M	QUAN	TITY	COST	,	(\$000)
UPGRADE ENGIN	E TEST	FACILI	TIES										
REFRIGERATION	SYSTE	M. PLAN	IT B					LS					1,700
SUPPORTING FA		•											270
UTILITIES								Ls					(170)
SITE IMPROV	TEMENTS	:						LS					(50)
ASBESTOS RE		•					1	LS					(50)
SUBTOTAL								٤				$(\frac{30}{1,970})$	
CONTINGENCY (10% \												197
TOTAL CONTRAC	•	•											$\frac{197}{2,167}$
SUPERVISION,			יון סעו	PDUENE	168		ı						130
POLEKATOTON'	THOLE	TION WIN	D 041	PUDDAL	, (O.2)	,				- 1			

- 10. Description of Proposed Construction: Convert the engine test facilities, plant B, refrigeration systems from R-12 to R-134a refrigerant; retrofit systems to retain desired operational capability; provide refrigerant storage, valves, transfer piping, asbestos removal and necessary support.
- 11. REQUIREMENT: As required.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

PROJECT: Upgrade engine test facilities refrigeration system, plant B.
(Current Mission)

REQUIREMENT: This is a level II environmental compliance requirement. This project is required to prevent continued release of unacceptable levels of R-12 refrigerant, an ozone depleting chemical (ODC) into the atmosphere. It also eliminates the risk of mission shut-down of nationally critical aircraft and missile turbine engine test facilities due to non-availability or excessive replenishment costs of R-12 refrigerent. These facilities provide a unique test capability critical for aircraft development and production (F-22, B-2, C-17.) and for retrofit of current aircraft such as the F-15 and F-16. Ground testing at extremely cold and hot temperatures (-24 to 650 degrees F) is required to simulate high altitude flight conditions critical to engine design and production decisions.

CURRENT SITUATION: The existing system has been maintained over time, but major component repair, upgrade, reconfiguration, and refrigerant conversion is now required to preclude continued release of ODC. Refrigeration plants which provide refrigerated air to 17 engine test cells at the Arnold Air Force Base leaked 90,000 pounds (24% of plant capacity) of ozone depleting refrigerant (R-12) into the atmosphere last year. An emergency \$1 million repair project using base operations and

2,297

2,300

1. COMPONENT FY 1996 MILITARY CONSTRUCTION 'PR	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE	
4. PROJECT TITLE UPGRADE ENGINE TEST FACILITIES REFRIGERATION SYST	5. PROJECT NUMBER
PLANT B	ANZY900286

maintenance funds was executed to stop this loss. Production of R-12 is ending by international agreement and executive order in December 1995. Without R-12, the current refrigeration system cannot operate, preventing cold flight conditions in the engine test facilities. Conversion to R-134a, a non-ozone depleting refrigerant, will allow continued plant

operation. Since mission test requirements preclude closure of all test facilities simultaneously, emergency funding of the first refrigeration plant, which services 13 engine test cells, was funded as an emergency construction project in the FY94. The remaining two plants must be funded before the R-12 refrigerant supply/stockpile is exhausted. This project will convert the refrigerant system in plant B. Plant C will be converted in the FY97 program. Phasing is required to avoid degradation of mission capability if simultaneous shut-down of all engine test cells were to occur. With the projected closure of the Naval Air Warfare Center, Aircraft Division at Trenton, New Jersey, all DoD ground testing of aircraft and missile propulsion systems over the full range of flight conditions must be conducted at Arnold AFB. IMPACT IF NOT PROVIDED: The United States will lose all national capability to ground test propulsion systems at simulated flight conditions. This will result in major delays and cost increases for the development and testing of F-18 and F-22 aircraft, cruise missile propulsion systems, and improvements to existing propulsion systems. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide" or in Air Force Manual 86-2, "Standard Facility Requirements". All known alternative options were considered during the development of this project. No other option could meet the mission requirements; therefore, no economic analysis was needed or performed. A certificate of exception

has been prepared.

1. COMPONE		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJE	CT DATA
AIR FORCE	(computer generated)	
3. INSTALL	TION AND LOCATION	
	FORCE BASE, TENNESSEE	
PROJECT		5. PROJECT NUMBE
	INE TEST FACILITIES REFRIGERATION SYSTEM,	
LANT B		ANZY900286
.2. SUPPLI	MENTAL DATA:	
a. Estir	ated Design Data:	
(1)	Status:	
•	a) Date Design Started	94 MAR 1:
(o) Parametric Cost Estimates used to dev	elop costs
	e) Percent Complete as of Jan 1995 '	359
	d) Date 35% Designed.	94 SEP 19
(e) Date Design Complete	95 JUN 19
(2)	Basis:	
() Standard or Definitive Design -	YES
(o) Where Design Was Most Recently Used -	ARNOLD
(3)	Cotal Cost (c) = (a) + (b) or (d) + (e):	(\$000
) Production of Plans and Specifications	
() All Other Design Costs	60
() Total	180
() Contract	
() In-house	180
(4)	onstruction Start	96 FEE
		•
	t associated with this project will be pr	rovided from

•	1. COMPONENT			2. DATE
	F:	DATA		
	AIR FORCE			
	3. INSTALLATION AND	TITLE		
		E PROTECTION		
	ARNOLD AIR FORCE BE	ASE, TENNESSEE	SYSTEMS	
	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
	7.28.06	2,700		
1		9 (05	T POTTMATEC	

9. COST ESTIMA	LES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE FIRE PROTECTION SYSTEMS	LS			2,200
SUPPORTING FACILITIES				130
SITE IMPROVEMENTS	LS			(40)
ASBESTOS REMOVAL	LS			(90)
SUBTOTAL				2,330
CONTINGENCY (10%)				233
TOTAL CONTRACT COST		'		2,563
SUPERVISION, INSPECTION AND OVERHEAD (6%)				154
TOTAL REQUEST				2,717
TOTAL REQUEST (ROUNDED)		!		2,700
	İ			·

- 10. Description of Proposed Construction: Install automatic fire detection, alarm, and suppression systems in 43 buildings and extend water mains to form a looped system. Includes asbestos removal and necessary support.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade fire protection systems. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Correction of fire deficiencies, including installation of fire detection and suppression systems, is required to provide protection for up to 2,100 occupants and government assets in 43 buildings, and to minimize damage to these mission essential facilities in the event of fire. A looped water system is needed to provide adequate water flow and maintain the reliability of the water system by permitting back feed in the event of a water line break.

CURRENT SITUATION: Fire detection, alarm, and suppression systems are inoperable, unreliable or nonexistent at many locations. This situation requires building occupants to detect fires and summon the fire department. When a facility is unoccupied, fires could cause extensive damage to base assets before being detected. Replacement costs for these 43 buildings and their contents is approximately \$800 million. The water supply system is a single-feed, branch system. A break in the main line can disable the entire water system and result in a complete loss of water for fire protection in the affected areas.

IMPACT IF NOT PROVIDED: The possibility of rapid spread of fire will continue, placing personnel and valuable assets at risk, and possibly cause the extended interruption of various systems testing.

ADDITIONAL: There is no criteria/scope for this project in Part II of

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATE	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION ARNOLD AIR FORCE BASE, TENNESSEE	
4. PROJECT TITLE	5. PROJECT NUMBER
UPGRADE FIRE PROTECTION SYSTEMS	ANZY923016

Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis is not required since this project corrects documented fire, life and safety deficiencies. A certificate of exception has been prepared.

. COMPON	ENT			2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA.	
IR FORCE		(computer generated)		
. INSTAL	LATIC	ON AND LOCATION		
. PROJEC		RCE BASE, TENNESSEE	E DD	O TROP NUMBE
. PROJEC	r rii	DE	5. PR	ROJECT NUMBE
PGRADE F	TRE P	PROTECTION SYSTEMS	AN	12Y923016
		210222411 0222212	1	
2. SUPP	LEMEN	TAL DATA:		
a. Est	imate	ed Design Data:		
(1)		tus:		
		Date Design Started		93 JUN 1
		Parametric Cost Estimates used to develop	costs	
		Percent Complete as of Jan 1995		35
		Date 35% Designed.		94 AUG 0
	(e)	Date Design Complete		95 AUG 0
(2)	Bas	is:		
	(a)	Standard or Definitive Design -		NO
	(p)	Where Design Was Most Recently Used -		N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):		(\$00
		Production of Plans and Specifications		16
		All Other Design Costs		15
	(c)	Total		31
		Contract		21
	(e)	In-house		10
(4)	Con	struction Start		96 FE

other appropriations: N/A

FY 1996 MILITARY CONSTRUCTION PROGRAM (Computer generated)			_								
AIR FORCE	1. COMPONENT								2	. DA	re
3. INSTALLATION AND LOCATION	FY 1996 MILITARY CONSTRUCTION PROGRAM										
AIR FORCE COST INDEX COST I	AIR FORCE		(com	outer o	genera	ated)					
MATERIEL COMMAND 0.87	3. INSTALLATION AND	LOCATIO	N .		4. C	DMMAND			5	. ARI	EA CONST
PERMANENT STUDENTS SUPPORTED A STRENGTH OFF ENL CIV OFF CIV OFF					AIR E	FORCE			ļ	COS	T INDEX
STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV TOTAL a. As of 30 SEP 94 631 995 1580 202 98 3 19 128 3,656 b. End FY 2000 621 1011 1537 202 98 3 19 128 3,656 b. End FY 2000 7. INVENTORY DATA (\$000) a. Total Acreage: (1,310) b. Inventory Total As Of: (30 SEP 94) 89,323 c. Authorization Not Yet In Inventory: 8,900 d. Authorization Requested In This Program: 233 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 16,900 h. Grand Total: 115,356 B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 23. Future Projects: Included in the Following Program (FY 1997) NONE 24. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medicial Support Agency; and USAF School for Aerospace Medicine; and an air base wing. 1. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	BROOKS AIR FORCE BAS	E, TEXAS	S		MATE	RIEL CO	IAMMC	ND		0.	. 87
a. As of 30 SEP 94 631 995 1580 202 98 3 19 128 3,656 b. End FY 2000 621 1011 1537 202 98 3 19 128 3,619 7. INVENTORY DATA (\$000) a. Total Acreage: (1,310)	6. PERSONNEL	Pl	ERMANI	ENT	si	CUDENTS	3	SUP	PORTE)	
Description Color	STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
7. INVENTORY DATA (\$000) a. Total Acreage: (1,310) b. Inventory Total As Of: (30 SEP 94)	a. As of 30 SEP 94	631	995	1580	202	98		3	19	128	3,656
a. Total Acreage: (1,310) b. Inventory Total As Of: (30 SEP 94) 89,323 c. Authorization Not Yet In Inventory: 8,900 d. Authorization Requested In This Program: 233 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 16,900 h. Grand Total: 115,356 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 132. Future Projects: Included in the Following Program (FY 1997) NONE 133. Puture Projects: Typical Planned Next Four Years: 100. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air Dase wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	b. End FY 2000	621	1011	1537	202	98		3	19	128	3,619
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: og. Remaining Deficiency: h. Grand Total: B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE COMMUNICATIONS FACILITY TOTAL: 233 Ba. Future Projects: Included in the Following Program (FY 1997) NONE Caboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 1. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 0 0 1233 89,900 88,900 233 8,900 233 8,900 233 8,900 233 8,900 233 8,900 234 8,900 235 8,900 236 8,900 237 16,900 115,356 8. PROJECT TITLE SCOPE (\$000) STATUS CMPL 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 234 248 259 250 250 251 261 273 274 275 275 275 275 275 275 276 277 277		7.	. INV	ENTORY	DATA	(\$000))				
c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Ph. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 0 0 0 0 0 0 0 0 0 0 0 0	a. Total Acreage: (1,31	10)								
d. Authorization Requested In This Program: 233 e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 16,900 h. Grand Total: 15,356 B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESIGN STATUS CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE 19b. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air 10ase wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	b. Inventory Total A	s Of: ((30 SE	EP 94)						39,32	23
e. Authorization Included In Following Program: (FY 1997) 0 f. Planned In Next Four Program Years: 0 g. Remaining Deficiency: 16,900 h. Grand Total: 115,356 B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force dedical Support Agency; and USAF School for Aerospace Medicine; and an air case wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	c. Authorization Not	Yet In	Inver	ntory:						8,90	00
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) 131-111 ADD TO AND ALTER COMMUNICATIONS FACILITY Pa. Future Projects: Included in the Following Program (FY 1997) NONE Ph. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Caboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air case wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	d. Authorization Requ	ested 1	In Thi	s Prog	gram:					23	3
g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE COMMUNICATIONS FACILITY TOTAL: 233 Ba. Future Projects: Included in the Following Program (FY 1997) NONE Bb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Caboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air case wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: 0 c. Occupational safety and health: 0	e. Authorization Inc	luded Ir	Foll	Lowing	Progr	am:	FY 1	.997)			0
h. Grand Total: B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	f. Planned In Next Fo	our Prog	gram Y	ears:							0
B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: O O O O O O O O O O O O O	g. Remaining Deficien	ncy:							1	16,90	0
CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 2a. Future Projects: Included in the Following Program (FY 1997) NONE 2b. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Caboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air case wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0											6
CODE PROJECT TITLE SCOPE (\$000) START CMPL 131-111 ADD TO AND ALTER 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 23. Future Projects: Included in the Following Program (FY 1997) NONE 24. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: 0 b. Water pollution: 0 c. Occupational safety and health: 0	8. PROJECTS REQUESTED	IN THI	S PRO	GRAM:	FY 1	996					
And to and alter 2,800 SF 233 AUG 88 APR 89 COMMUNICATIONS FACILITY TOTAL: 233 Future Projects: Included in the Following Program (FY 1997) NONE Total: 233 To	CATEGORY							COST	DES	IGN	STATUS
COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	CODE PROJ	ECT TIT	LE		<u>s</u>	COPE		(\$000) <u>5</u> 7	ART	CMPL
COMMUNICATIONS FACILITY TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0											
TOTAL: 233 Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health:	131-111 ADD TO AND A	LTER				2,800	SF	23	3 AUG	88	APR 89
Pa. Future Projects: Included in the Following Program (FY 1997) NONE Pb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air case wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	COMMUNICAT	ONS FAC	CILITY				_		_		
Bb. Future Projects: Typical Planned Next Four Years: 10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air base wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0											
10. Mission or Major Functions: Human Systems Center; Armstrong Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air passe wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0									Y 1997) NO	NE
Laboratory; Air Force Center for Environmental Excellence; Air Force Medical Support Agency; and USAF School for Aerospace Medicine; and an air pase wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0											
Medical Support Agency; and USAF School for Aerospace Medicine; and an air base wing. 11. Outstanding pollution and safety (OSH) deficiencies: a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	-				-				_		
a. Air pollution: b. Water pollution: c. Occupational safety and health:	- :										
a. Air pollution: b. Water pollution: c. Occupational safety and health: 0 0 0	Medical Support Agend	y; and	USAF	School	for	Aerosp	ace	Medic	ine; a	ind a	n air
a. Air pollution: b. Water pollution: c. Occupational safety and health: 0	base wing.										
b. Water pollution: 0 c. Occupational safety and health: 0	11. Outstanding poll	ution a	ind sa	fety (OSH)	defici	enci	es:			
b. Water pollution: 0 c. Occupational safety and health: 0											
c. Occupational safety and health: 0	-										
	_			_						_	
d. Other Environmental: 0		_		health	:						
	d. Other Enviro	nmental	. :							О	

1. COMPONENT				2. DAT	'E		
1	FY 1996 MILITARY CO	NSTRUCTION PROC	GRAM				
AIR FORCE	(computer	generated)		ļ			
3. INSTALLATION AND	LOCATION	4. COMMAND		5. AREA CONST			
		AIR FORCE		cos	T INDEX		
KELLY AIR FORCE BASE	E, TEXAS	MATERIEL COMM	AND	0.87			
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOR	TED			
STRENGTH	OFF ENL CIV	OFF ENL CIV					
a. As of 30 SEP 94	801 3419 12678		1 1	57 200	•		
b. End FY 2000	749 3190 11515		43 7	57 200	17,454		
	7. INVENTORY	DATA (\$000)					
a. Total Acreage:							
b. Inventory Total A				479,98			
c. Authorization Not	-			55,48			
d. Authorization Rec	_	-		3,59			
e. Authorization Inc	_	-	1997)	5,58			
f. Planned In Next I	-	í		20,36			
g. Remaining Deficie	ency:			120,00			
h. Grand Total:		mu 1006		685,00	1		
8. PROJECTS REQUESTS	ED IN THIS PROGRAM:	FY 1996	000m	DECTON	CM3 M11C		
CATEGORY	TROM MIMIR	CCORE		DESIGN			
CODE PRO	DJECT TITLE	SCOPE	(\$000)	START	CMPL		
131-111 COMMUNICATI	TONS FACTITTY	2,000 SF	353	MAY 91	JUL 91		
610-249 WING HEADQU		22,000 SF			MAY 95		
010-249 WING READQU	SARIERS FACIBITI	TOTAL:	3,597	MAI 94	MAI 33		
9a. Future Projects	: Included in the			9971			
610-249 WING SUPPOR		20,000 SF	•	,,,			
871-183 UPGRADE STO		•	•	TURN KE	v		
0.1 100 010.4.02 010	J	TOTAL:	5,580		-		
9b. Future Projects	s: Typical Planned						
211-152 C-17 COMPOS		55,000 SF					
FACILITY							
217-742 AFCS MAINTE	ENANCE FACILITY	102,000 SF	7,140				
730-772 ADD TO AND	ALTER CHAPEL CENTE	R LS	720				
832-266 REPLACE SAM	NITARY SEWER LINES	40,000 LF	3,100	TURN KE	Y		
871-183 STORM DRAIN	NAGE DISPOSAL	3,600 LF	3,000	_			
10. Mission or Majo	or Functions: San	Antonio Air Log	gistics Ce	nter wh	ich		
is responsible for l							
maintenance of B-52,							
fuels and TF39/T56/F	_	_					
fighter group with o	-						
with one C-5 squadro		·		Air For	ce		
News Agency; and the	<u> </u>						
11. Outstanding pol	llution and safety	(OSH) deficiend	cies:				
_ ,				~			
a. Air polluti				7,500			
b. Water pollu		1_		10,300			
_	al safety and healt	n:		2 100			
d. Other Envir	ronmental:			3,100	,		

•	1. COMPONENT									2	. DAT	E	i	
	FY 1996 MILITARY CONSTRUCTION							OJECT	DAT	A.			١	
	AIR FORCE		(00	ompute	er ge	nerat	ed)							
	3. INSTALLATI	ION ANI	LOCATION			4.	4. PROJECT TITLE							
													ı	
	KELLY AIR FOR	RCE BAS	SE, TEXAS			WII	NG H	EADQUA	RTE	RS FACI	LITY		ı	
	5. PROGRAM EL	LEMENT	6. CATEGORY	CODE	7. PROJECT NUMBER 8. PROJ					PROJECT COST(\$000				
													ı	
	2.80.19	IARA 610-249 MBPB96						A		3,244				
	9. COST ESTIMATES													
										UNIT	C	TRC	ı	
	ITEM						U/M	QUANT	ITY	COST	(\$0	000)		
WING HEADQUARTERS FACILITY						SF	22,0	00			2,194	l		
ADMINISTRATIVE OFFICE AREAS						SF	17,0	00	8	2 (:	1,394)			
	OPERATING AREA (SCIF)						SF	5,0	00	13	5 (675)		
ELEVATOR							EA		1	125,00	0 (125)		
SUPPORTING FACTLITIES							ŀ					715		

LS

LS

LS

SF

23,600

10. Description of Proposed Construction: Reinforced concrete foundation and floor slab with masonry walls, structural steel frame and metal roof system. Includes an elevator, utilities, parking, and all necessary support. Demolish two sub-standard facilities (23,588 SF). Air Conditioning: 40 Tons.

65,300 SF ADEQUATE: 25,300 SF SUBSTANDARD: REQUIREMENT: 64,318 SF PROJECT: Construct a Wing Headquarters facility. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. An adequate and functional facility is required to support reorganization and consolidation activities of Air Intelligence Agency (AIA). As part of the re-organization, geographically separated functions in the Pacific and European Theaters were downsized, functions eliminated and redistributed, and have been redesignated Intelligence Groups. Wing functional responsibilities have been centralized and consolidated with existing intelligence activities at Kelly Air Force Base. functions include the wing operations, engineering, logistics maintenance, plans and programs, wing information systems, contracting, and security. A sensitive compartmented information facility (SCIF) is required to support processing and transmission of classified information. In addition, an elevator is required to comply with the Americans with Disabilities Act of 1990.

CURRENT SITUATION: Wing facility requirements are continuing to grow as field offices arrive at the installation. All personnel are scheduled to be on-station by the end of FY96. The Wing is currently housed in interim substandard facilities that are inadequate to support intelligence operations. Once this project is completed other agencies will be relocated to the Wing's present facility. Upon completion of this move

175)

200)

200)

140)

145

183

2,909

3,054

3,237

3,244

SITE PREPARATION

UTILITIES

DEMOLITION

TOTAL REQUEST

CONTINGENCY (5%)

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6%)

PAVEMENT

SUBTOTAL

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A
AIR FORCE	(computer generated)	
3. INSTALLATION A	ND LOCATION	
KELLY AIR FORCE B	ASE, TEXAS	
4. PROJECT TITLE		5. PROJECT NUMBER
WING HEADQUARTERS	FACILITY	MBPB963005A

two old wood frame facilities, occupied by these functions, will be demolished.

IMPACT IF NOT PROVIDED: The Wing and associated mission functions will continue to remain in inadequate facilities that prevent efficient operations and compromise security. Headquarters functions will remain dispersed in facilities that are not configured and conducive to Wing organizational requirements. SCIF space will not be available to support classified network systems for preparing, reviewing, and processing classified messages and to transmit classified information to AIA units. ADDITIONAL: There is no criteria/scope for this facility in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of status quo plus addition, new construction, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
KELLY AIR FOR	CE BASE, TEXAS	
4. PROJECT TI	TLE	5. PROJECT NUMBER
WING HEADQUAR	TERS FACILITY	MBPB963005A
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 MAY 16
(b)	Parametric Cost Estimates used to develop of	osts N
(c)	Percent Complete as of Jan 1995 '	60%
(d)	Date 35% Designed.	94 SEP 01
(e)	Date Design Complete	95 MAY 01
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	194
, ,	All Other Design Costs	259
	Total	453
	Contract	317
(e)	In-house	136
(4) Co	nstruction Start	96 JAN
Panissass	aggoriated with this project will be avaided	d from
Equipment other appropr:	<pre>associated with this project will be provide iations: N/A</pre>	d irom

1. COMPONENT							DD 6 6-		2	. DAT	E
	FY	1996		ARY COI			PROGE	MAS			
AIR FORCE				outer o							
3. INSTALLATI	ON AND LO	CATIO	N			DMMAND			5		A CONS
						DUCAT					T INDEX
LAUGHLIN AIR	FORCE BAS					RAINI					15
6. PERSONNEL	-	P	ERMANI	ENT		UDENT			PORTE		,
STRENGTH	-	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S	EP 94	392	721	874	140		1		8	522	2,65
b. End FY 200	0	350	519	745	162				8	522	2,306
		7	. INV	ENTORY	DATA	(\$000)				
a. Total Acre	age: (5,2	28)								
b. Inventory	Total As	Of:	(30 SI	EP 94)					1	16,78	9
c. Authorizat	ion Not Y	et In	Inve	ntory:						17,39	0
d. Authorizat	ion Reque	ested	In Th	is Prog	gram:					1,40	0
e. Authorizat						am:	(FY]	.997)			0
f. Planned Ir	Next Fou	r Pro	gram '	Years:		í				5,74	9 '
g. Remaining	Deficienc	cy:								6,40	0
h. Grand Tota		•							1	47,72	
8. PROJECTS F		IN TH	IS PRO	OGRAM:	FY 1	.996					
CATEGORY								cosi	DE	SIGN	STATUS
CODE	PROJE	CT TI	TLE		s	COPE		(\$000		TART	CMPL
<u> </u>					_			7.4	=		
179-511 FIRE	TRAINING	FACI	LITY				LS _	1,40		N 94	JUL 95
						TOTAL		1,40			
9aFuture F	rojects:	Incl	uded :	in the	Follo	wing :	Progr	am (F	Y 199	7) NO	NE
9b. Future F	rojects:	Typi	cal Pi	lanned	Next	Four	Years	S:			
113-321 ALTE	R APRONS						LS	24	.9		
113-321 UPGF	ADE AIRFI	ELD P	AVEME	TV	4	8,000	SY	3,00	0		
610-249 RESC	URCE MANA	GEMEN'	T FAC	ILITY	2	0,000	SF	2,50	0		
10. Mission	or Major	Funct	ions:	A fly	/ing t	raini	ng wi	ng th	at co	nduct	s
Undergraduate	Pilot Tr	ainin	g with	n T-1,	T-37,	and '	T-38	aricr	aft.		
	ing pollu										-
				_							
a. Air	pollution	1:								0	
	r polluti									0	
	pational		v and	health	n:					0	
	r Enviror									0	1
u. 00											

	1. COMPONENT				2. DATE					
	F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA						
į	AIR FORCE	(compute	er generated)							
	3. INSTALLATION AND	LOCATION	4. PROJECT	FITLE						
	LAUGHLIN AIR FORCE	BASE, TEXAS	FIRE TRAINI	NG FACILITY	<i>t</i>					
	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT	COST(\$000)					
	8.57.56	179-511	MXDP963001		1,400					
Ì		9. COST ESTIMATES								

9. COST ESTIMAT	೬೦			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			950
SUPPORTING FACILITIES				285
UTILITIES	LS	ļ		(110)
PAVEMENTS	LS		•	(95)
SITE IMPROVEMENTS	LS			(<u>80</u>)
SUBTOTAL	ł			1,235
CONTINGENCY (5%)	j	•		62
TOTAL CONTRACT COST				1,297
SUPERVISION, INSPECTION AND OVERHEAD (6%)		ł		<u>78</u>
TOTAL REQUEST				1,375
TOTAL REQUEST (ROUNDED)			į	1,400
		[

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

11. REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

Page No

-	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DAT		2. D#	ATE
	AIR FORCE (computer generated)			
-	3. INSTALLATION AND LOCATION			
	LAUGHLIN AIR FORCE BASE, TEXAS			
	4. PROJECT TITLE	5. PRO	JECT	NUMBER

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

FIRE TRAINING FACILITY

MXDP963001

2. DATE
ı

JECT NUMBER
P963001
94 JUN 23
Y
60%
94 JUL 19
95 JUL 17
YES
MOODY
(\$000)
60
16
76
76
96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT	EV 1006	MILITARY CO	Mempiic	יתדראו	PPOCI	DAM .	2	. DAT	TE.
AIR FORCE	FI 1996	(computer			PROGR	Chiri			
INSTALLATION	N AND LOCATE			MMAND				. ARI	EA CONST
. INSTALLATION	N AND LOCATION	JN	1	DUCAT			٦		T INDEX
	BODOR BACE M	DVAC	1			MMAND			87
RANDOLPH AIR 1		PERMANENT		UDENT			PORTE		
5. PERSONNEL			OFF						TOTAL
STRENGTH	+			ENL	1010			219	
a. As of 30 SI		3018 412				31		219	
o. End FY 2000		2873 3922			<u>i </u>	31	21	219	0,731
		7. INVENTOR	DATA	(\$000)				···
a. Total Acrea		011)					_	06.0	
o. Inventory	Total As Of:	(30 SEP 94)]	.86,24	
c. Authorizat:								5,30	
d. Authorizat:	ion Requested	In This Pro	ogram:					3,10	
e. Authorizat:	ion Included	In Following	g Progr	am:	(FY	1997)		2,47	70 .
f. Planned In	Next Four Pr	ogram Years	:	£				21,10	00
g. Remaining I								15,70	00
h. Grand Tota							2	33,91	17
8. PROJECTS R		HIS PROGRAM	FY I	996					
CATEGORY	- 2					COST	DE	ESIGN	STATUS
CODE	PROJECT T	TTLE	5	COPE		(\$000) 5	TART	CMPL
CODE	TROODEL 1		-			<u>-\-'</u>	<u> </u>		
136-664 UPGR	אחם אוסטובות	TAHTING	•	89.600	T.F	1.90	it. o	IN 93	OCT 95
179-511 FIRE			-	,,,,,,,,,,	LS	1,20	וד. חו		JUL 95
1/9-511 FIKE	TRAINING FAC	11111		TOTAL		3,10		,,, ,,	002 7
9a. Future P	T	1a.a i Ab	- Falle					271	
				wing	LS			,,,	
	S ADD TO AND	ALTER BEDDO	MIN		בת	2,41	U		
FAC	ILITIES				-	- 47	_		
				TOTAL		2,47	<u> </u>		
	rojects: Typ		d Next			3: 			
149-962 CONT					EA	•			
219-944 BASE	CIVIL ENGINE	ERING COMPL	EX !	50,000					
442-758 CONS						10,50			
880-217 FIRE	PROTECTION S	YSTEM		24,970		2,10			
10. Mission	or Major Func	tions: Hea	dquart	ers Ai	r Ed	ucatio	on and	d Tra	ining
Command; Head	quarters Nine	teenth Air	Force;	a fly	ing	traini	ing w	ing w	ith
T-1, T-37, and	d T-38 instru	ctor pilot	traini	ng and	Und	ergrad	luate	Navi	gator
Training (UNT) using T-37	and T-43 ai	rcraft	; HQ A	ir F	orce H	Recru	iting	
Service; AF M	anagement Eng	ineering Ag	ency;	AF Mil	itar	y Pers	sonne	l Cen	ter;
AF Civilian P	ersonnel Mana	gement Cent	er; an	d Head	lquar	ters ?	Air F	orce	
Services Agen		-							
11. Outstand	ing pollution	and safety	(OSH)	defic	ienc	ies:			
11. Odestana	ing politicis.	<u> </u>	(/						
. 1	pollution:								0
	-								0
	r pollution:		+ h -						0
	pational safe		CII:						0
d. Othe	r Environment	.al:							J

	1. COMPONENT	The same of the sa		2. DATE
	AIR FORCE		ONSTRUCTION PROJECT er generated)	DATA
4	3. INSTALLATION AN		4. PROJECT	
		2 200	1. 1.00201	
	RANDOLPH AIR FORCE	BASE, TEXAS	UPGRADE AIR	FIELD LIGHTING
	5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
ı				
Ì	8.57.96	136-664	TYMX933007	1,900

9. COST ESTIMATES

J. CODI EDITIMI	<u> </u>			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE AIRFIELD LIGHTING	LF	39,600		1,067
RUNWAY LIGHTING	LF	20,800	26	(541)
TAXIWAY LIGHTING	LF	18,800	28	(526)
SUPPORTING FACILITIES	i			545
DISTANCE MARKERS/WIND CONES	LS			(100)
THRESHOLD LIGHTING	LS			(350)
VISUAL GLIDESLOPE INDICATOR	LS	'		(<u>95</u>)
SUBTOTAL		1		1,612
CONTINGENCY (10%)				161
TOTAL CONTRACT COST				1,773
SUPERVISION, INSPECTION AND OVERHEAD (6%)				106
TOTAL REQUEST				1,879
TOTAL REQUEST (ROUNDED)				1,900
		!		
	ŀ	1		
				<u> </u>

- 10. Description of Proposed Construction: Upgrade the west airfield lighting system. Work includes upgrade of the runway and overrun lights, cables, threshold lights, distance markers, taxiway lights, visual glideslope indicators, ductbanks and manholes, wind cones, and necessary support.
- 11. REQUIREMENT: 79,200 LF ADEQUATE: 39,600 LF SUBSTANDARD: 39,600 LF PROJECT: Upgrade airfield lighting. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Master Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced pilots.

CURRENT SITUATION: Instructor pilot students fly 124 sorties per day to comply with the flying syllabus. The majority of the airfield lighting system has been in place since 1951. Piecemeal repair projects have not eliminated major problems. The Major Command lighting study revealed the following major operational problem areas: (1) lighting intensities do not meet FAA or Air Force standards, (2) excessive current losses in cables resulting from advanced stages of insulation deterioration and (3) existing visual approach slope indicator lights do not meet current flight safety requirements. The base has experienced three outages of the west airfield lighting system within the past year.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
RANDOLPH AIR	FORCE BASE, TEXAS	
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE AIRFI	ELD LIGHTING	TYMX933007

will be non-operational if outage occurs during inclement weather or night flying. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy when random outages occur.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
	FORCE BASE, TEXAS	Te
4. PROJECT T	TLE	5. PROJECT NUMBER
UDGDADE ATDD	TO D. T. TOUMTING	mvvv033003
UPGRADE AIRF	ELD LIGHTING	TYMX933007
12. SUPPLEME	משאר זאשווי	
12. SUPPLEME	MIAL DAIA:	
a .Fetimat	ed Design Data:	
a. Escimat	ed besign baca.	
(1) St	atus:	
1	Date Design Started	93 JUN 01
1 ' '	Parametric Cost Estimates used to develop of	
	Percent Complete as of Jan 1995 '	35%
, , ,	Date 35% Designed.	94 MAR 17
1 ' '	Date Design Complete	95 OCT 15
(2) Ba	sis:	
, ,	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	111
(b)	All Other Design Costs	25
(c)	Total	136
(d)	Contract	111
(e)	In-house	25
(4) Co	nstruction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT			-				2. DATE
	FY 1	996 MILITA	RY CO	NSTRUCTI	ON PROJECT	DATA	
AIR FORCE							
3. INSTALLATI	ON AND L	OCATION		4	. PROJECT	TITLE	
RANDOLPH AIR	FORCE BA	SE, TEXAS		F	IRE TRAINI	NG FACILIT	Y
5. PROGRAM EL	EMENT 6.	CATEGORY	CODE	7. PROJE	CT NUMBER	8. PROJEC	T COST(\$000)
							1 000
8.57.56	179-511 TYMX973003						1,200

9. COST ESTIMAT	res			
,			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FIRE TRAINING FACILITY	LS			900
SUPPORTING FACILITIES				170
UTILITIES	LS			(70
PAVEMENTS	LS			(50
SITE IMPROVEMENTS	LS			(50
SUBTOTAL				1,070
CONTINGENCY (5%)		•		54
TOTAL CONTRACT COST				1,124
SUPERVISION, INSPECTION AND OVERHEAD (6%)				67
TOTAL REQUEST				1,191
TOTAL REQUEST (ROUNDED)				1,200
	1			
	ŀ			ļ

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since November 1993; thus, live fire training cannot currently be conducted. Minimal training is conducted using mock-up structures with no fire or heat capability. This training does not fulfill Air Force or FAA requirements. There are no environmentally approved live fire training facilities in the local area that can support this requirement. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION	N PROJECT DATA
AIR FORCE	(computer generat	ed)
	ON AND LOCATION FORCE BASE, TEXAS	
4. PROJECT TI	TLE	5. PROJECT NUMBER
FIRE TRAINING	FACILITY	TYMX973003

Account.

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

L. COMPONE		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALL	ATION AND LOCATION	
RANDOLPH A	IR FORCE BASE, TEXAS	
. PROJECT		. PROJECT NUMBER
TDE MDATM	INC. BAGTI IMV	mvvv072002
IRE TRAIN	ING FACILITY	TYMX973003
2. SUPPL	EMENTAL DATA:	
a. Esti	nated Design Data:	
(1)	Status:	
, ,	(a) Date Design Started	94 JUN 23
	b) Parametric Cost Estimates used to develop cos	sts)
	c) Percent Complete as of Jan 1995	609
	d) Date 35% Designed.	94 JUL 19
	e) Date Design Complete	95 JUL 13
(2)	Basis:	
	a) Standard or Definitive Design -	YES
	b) Where Design Was Most Recently Used -	MOODY
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	a) Production of Plans and Specifications	5(
	b) All Other Design Costs	16
	c) Total	66
	d) Contract	
	e) In-house	66
(4)	Construction Start	96 JAN
	Construction Start	96 JAN
(4)		
(4)	nt associated with this project will be provided	
(4)		96 JAN
(4)	nt associated with this project will be provided	
(4)	nt associated with this project will be provided	
(4)	nt associated with this project will be provided	
(4)	nt associated with this project will be provided	

1. COMPONENT								2.	DAT	E
	FY 1996 MILITA				PROGI	RAM		ı		
AIR FORCE	(comp	outer o	genera	ted)						
3. INSTALLATION AND	D LOCATION		l * ·	DNAMM			-	-		A CON
			AIR EDUCATION					COST INDEX		
REESE AIR FORCE BA	SE, TEXAS		AND 1	RAINI	NG CO	· · · · · · · · · · · · · · · · · · ·			0.	95
6. PERSONNEL	PERMANE	ENT	S	UDENT			PORT	$\overline{}$		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENI		:IV	TOTA
a. As of 30 SEP 94	362 620	366	121					- 1	65	1,5
b. End FY 2000	349 411								65	1,1
	7. INV	ENTORY	DATA	(\$000						
a. Total Acreage:	(3,953)									_
b. Inventory Total	As Of: (30 SI	EP 94)						112	,82	
c. Authorization N	ot Yet In Inver	ntory:							90	
d. Authorization R	equested In Thi	is Pro	gram:					1	,20	
e. Authorization I	ncluded In Foll	lowing	Progr	am:	(FY	1997)				0 ,
f. Planned In Next	Four Program	Years:		•					,32	
g. Remaining Defic	iency:								,30	
h. Grand Total:								145	,54	4
8. PROJECTS REQUES	TED IN THIS PRO	OGRAM:	FY :	1996			_			
CATEGORY						COST	_			STATU
CODE P	ROJECT TITLE		3	SCOPE		(\$000	<u>))</u>	STA	RT	CMP
						1 20		UN	0.4	JUL
179-511 FIRE TRAI	NING FACILITY			moma r	LS .	1,20	_	JUN	74	JOL
	- 2 2 2	·	n-11	TOTAL				971	NO	NE
9a. Future Projec	ts: Included	in the	Novt	Four	Vear	e.	1 1.	,,,,	110	<u></u>
9b. Future Projec	ts: Typical P	nac	Next	FOUL	LS	7,10	າດ			
113-321 UPGRADE A		MID		10,000						
113-321 UPGRADE A		NC		77,300						
136-664 UPGRADE A		NG		8,100		1,30				
211-159 ACFT CORR FACILITY				0,100		_,				
610-128 BASE ADMI		TT.ቸጥሃ		12,500	SF	1,20	00			
610-128 BASE ADMI	jor Functions:	A fl	ving	raini	na w	ing th	nat o	cond	luct	s
10. Mission or Ma Undergraduate Pilo	for runccions:	n т-1.	T-37	. and	T-38	aircr	aft			
11 Outstanding D	ollution and s	afetv	(OSH)	defic	ienc	ies:				
11. Outstanding p	OTTGOTON GNG D		, /							
a. Air pollu	tion:								C)
b. Water poli									C)
c. Occupation	nal safety and	healt	h:						C)
	ironmental:								C)
d. Ocher biiv										

1. COMPONENT									2.	DATE	
	F	Y 1996 MILIT	TARY C	ONSTRUC!	CION PR	OJECT	DAT	A.			
AIR FORCE		(0	compute	er gene	cated)						
3. INSTALLATI	FY 1996 MILITARY CONST R FORCE (computer g INSTALLATION AND LOCATION ESE AIR FORCE BASE, TEXAS PROGRAM ELEMENT 6. CATEGORY CODE 7. 8.57.56 179-511 9. COST ES ITEM RE TRAINING FACILITY PPORTING FACILITIES UTILITIES PAVEMENTS SITE IMPROVEMENTS BTOTAL NTINGENCY (5%) TAL CONTRACT COST PERVISION, INSPECTION AND OVERHEAD (6		4. PROJECT TITLE								
					FIRE T						
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PRO	JECT NU	MBER	8. 1	PROJEC	CT (COST (\$000	
8.57.56					<u> </u>					1,200	
		9	. cos	r estim	ATES						
								UNIT		COST	
						QUAN	TITY	cosi	<u> </u>	(\$000)	
					LS					900	
	CILIT	IES						•		170	
UTILITIES					LS					(70	
					LS					(50	
	EMENTS	S .			LS					(50	
SUBTOTAL					١.					1,070	
•	•	_				'		Ī		54	
		-					:	Ì		1,124	
		CTION AND OV	ERHEAI) (6%)						67	
TOTAL REQUEST		.mmn .								1,191	
TOTAL REQUEST	(ROUI	NDED)				İ				1,200	
						1					
					1						

10. Description of Proposed Construction: Construct a fire training facility to include: a lined and environmentally acceptable fire training pit; aircraft mockup; tank for propane gas; pumps, piping, and storage system for fuel and water; lighting; fencing; roads; and necessary support.

REQUIREMENT: 1 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct a fire training facility. (Current Mission) REQUIREMENT: This is a level I environmental compliance requirement. existing fire training pit does not meet the Clean Water Act (CWA) requirements (40 CFR 122). Construct a fire training facility which meets CWA, Clean Air Act and Resource Conservation and Recovery Act requirements as applicable. Provide an impermeable liner below the burn area, and a holding pond to prevent contamination of soil and groundwater. Live fire training is an established Federal Aviation Administration (FAA) quarterly training requirement for fire fighters to maintain a high level of proficiency. It is Air Force policy to have a facility on every major Air Force installation to meet fire training requirements which complies with all applicable criteria and environmental requirements. CURRENT SITUATION: The existing facility does not meet the CWA requirements and has been closed since December 1993; thus, live fire training cannot currently be conducted. Presently, minimal training is conducted using mock-up structures with no fire or heat capability. However, this training does not fulfill Air Force or FAA requirements. There are no enviromentally approved live fire training facilities in the local area. The existing site is currently designated as an Installation Restoration Program site and is undergoing remedial investigation funded by Defense Environmental Restoration Account.

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION REESE AIR FORCE BASE, TEXAS	
4. PROJECT TITLE 5. P	ROJECT NUMBER
FIRE TRAINING FACILITY U	BNY973000

IMPACT IF NOT PROVIDED: Fire fighters will not be able to meet Air Force and FAA quarterly training requirements for remaining proficient in aircraft crash fire fighting and rescue techniques. The safety of both the firefighters and aircraft accident victims will continue to be compromised by lack of proper training. Traveling to other installations to conduct the fire training exercises is not feasible for the fire fighters because of cost and the level of manning required to remain at the installation to support the mission.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
IR FORCE	(computer generated)	
. INSTALLATIO	ON AND LOCATION	
		,
	CE BASE, TEXAS	T
PROJECT TI	TLE .	5. PROJECT NUMBER
DE TOSTNING	PACITI TOV	HENVOZZOGO
RE TRAINING	FACILITY	UBNY973000
SUPPLEME	NTAL DATA:	
JULI EBME	VIII DAIA.	
a. Estimate	ed Design Data:	
(1) Sta	atus:	
• •	Date Design Started	94 JUN 23
	Parametric Cost Estimates used to develop	costs Y
(c)	Percent Complete as of Jan 1995	60%
(d)	Date 35% Designed.	94 JUL 19
(e)	Date Design Complete	95 JUL 17
(2) Bas	sis:	
(a)	Standard or Definitive Design -	YES
(b)	Where Design Was Most Recently Used -	MOODY
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$000
	Production of Plans and Specifications	50
	All Other Design Costs	16
(c)	Total	66
(d)	Contract	
(e)	In-house	66
(4) Cor	nstruction Start	96 JAN
Equipment	associated with this project will be provide ations: N/A	ed from

1. COMPONENT							_	2. DA	TE
AIR FORCE	FY 1996 MILIT	ARY CO			PROGI	RAM			
3. INSTALLATION AND		puour	7	DMMAND				5 AD	EA CONST
3. INSTALLATION AND	LOCATION			-	TON			I	
			AIR EDUCATION AND TRAINING COMMAND					1	ST INDEX
SHEPPARD AIR FORCE I									.90
6. PERSONNEL	PERMAN	ENT	S	UDENT	5	SUI	PPOR	red	↓
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENI	CIV	TOTAL
a. As of 30 SEP 94	684 2828	1493	223	2758		166	3	37 86	8,275
b. End FY 2000	712 3009	1425	219	3199		166	3	37 86	8,853
	7. INV	ENTORY	DATA	(\$000					
a. Total Acreage: (6,158)								
b. Inventory Total A		EP 941						301,4	69
c. Authorization Not								40,2	i
d. Authorization Rec			rem.					1,5	
e. Authorization Inc				·am·	ו עם	9971		9,7	1
			Frogr		(11 1	. , ,		9,3	, 1
f. Planned In Next F	_	rears:		•				-	
g. Remaining Deficie	ency:							27,6	
h. Grand Total:								389,7	89
8. PROJECTS REQUESTE	D IN THIS PR	OGRAM:	FY 1	.996			_		
CATEGORY						COSI	_		STATUS
CODE	JECT TITLE		5	COPE		<u>(\$000</u>	<u>))</u>	START	CMPL
136-664 UPGRADE AIR	FIELD LIGHTI	NG	2	8,900	LF _	1,50	<u>00</u> J	JUL 91	OCT 95
				TOTAL:		1,50			
9a. Future Projects	: Included	in the	Follo	wing E	rogr	am (F	Y 19	97)	
442-758 CONSOLIDATE	D LOGISTICS	COMPLEX	K 13	6,800	SF _	9,70	00		
				TOTAL:	_	9,70	00		
9b. Future Projects	: Typical P	lanned	Next	Four Y	ears	:			
171-623 COVERED AIR				8,500		1,00	0		
	TRAINING FAC			-					1
610-243 ADD TO AND			1	6,100	SF	8,30	00		
	RS FACILITY		_	-,		-,			Ì
10. Mission or Majo		A tra	inino	wing	rest	onsih	ile f	or ai	rcraft
maintenance, civil e									1
flying training wing									
that train US and NA	TO pilots un	der the	Euro	-NATO	Join	t Jet	. P11	lot Ir	aining
Program (ENJJPT).									
11. Outstanding pol	lution and s	afety	(OSH)	defici	.enci	es:			-
a. Air polluti									0
b. Water pollu	tion:							+	o j
c. Occupationa	1 safety and	health	n:						0
d. Other Envir									o

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE SHEPPARD AIR FORCE BASE, TEXAS UPGRADE AIRFIELD LIGHTING 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000) 8.57.96 136-664 VNVP933017 1,500 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) UPGRADE AIRFIELD LIGHTING 28,900 17 491 SUPPORTING FACILITIES 795 DISTANCE MARKERS/WIND CONES LS (125)THRESHOLD LIGHTING LS (215) APPROACH LIGHTING SUPPORTS/FLASHERS LS (335) VISUAL GLIDESLOPE INDICATOR LS 120) SUBTOTAL 1,286 CONTINGENCY (10%) 129 TOTAL CONTRACT COST 1,415 SUPERVISION, INSPECTION AND OVERHEAD (6%) 85 TOTAL REQUEST 1,500 TOTAL REQUEST (ROUNDED) 1,500 10. Description of Proposed Construction: Upgrade airfield lighting system. Work includes modernizing airfield lighting vault, replacing light fixtures, handhole covers, distance markers, wind cones, approach supports and flashers, visual glideslope indicator, and necessary support. REQUIREMENT: 28,900 LF ADEQUATE: 0 SUBSTANDARD: 28,900 LF PROJECT: Upgrade airfield lighting. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This project is required to properly modify, upgrade and standardize existing airfield lighting systems and visual navigational aids to meet FAA and Air Force standards. This will improve operational safety, reliability, and efficiency of the airfield through the use of equipment, fixtures and materials that can be adequately maintained. This lighting upgrade was identified in the 1988 MAJCOM Planning Study of Airfield Lighting Systems and is required for the proper training and safety of inexperienced student pilots. CURRENT SITUATION: Instructor pilot students fly 300 sorties per day to comply with the strict flying syllabus. A majority of the airfield lighting system has been in place since 1952. Piecemeal repair projects have not eliminated major problems. The lighting study revealed the following major operational problem areas: (1) the 2400 volt exposed conductor system in the lighting vault presents a serious safety hazard, (2) unavailability of parts for antiquated voltage regulators, and (3) lighting intensities do not meet FAA or Air Force standards. The current lease agreement with the City of Wichita Falls, joint users of the airfield, runs through the year 2009 and states the Air Force will maintain the airfield lighting system. IMPACT IF NOT PROVIDED: Airfield will be non-operational during inclement

	1. COMPONENT						2. D	ATE
		FY 1996	MILITARY	CONSTRUCTION	PROJECT D	ATA	İ	
	AIR FORCE		(compu	iter generated	d)			
	3. INSTALLATI	ON AND LOCAT	CION					
	SHEPPARD AIR	FORCE BASE,	TEXAS					
	4. PROJECT TI	TLE	-			5.	PROJECT	NUMBER
i								
İ	UPGRADE AIRFI	ELD LIGHTING	}				VNVP9330	17

weather/night flying for an extended period if an outage occurs due to a failed regulator. Student pilots will not meet curriculum schedules when night flying is stopped. Safety of the pilots will continue to be in jeopardy. Will violate lease agreement with City of Wichita Falls.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

. COMPONE	NT			2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A7	
AIR FORCE		(computer generated)		
3. INSTALL	ATIC	ON AND LOCATION		
		ORCE BASE, TEXAS		· · · · · · · · · · · · · · · · · · ·
PROJECT	TII	LE	5. PR	OJECT NUMBE
IDCDADE ATI	ם דים מ	ID ITCUMING	1 PATT	VP933017
4. PROJECT TITLE UPGRADE AIRFIELD LIGHTING VNV 12. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used -		A533011		
. SUPPLI	EMEN	TAL DATA:		
a. Estir	mate	ed Design Data:		
(1)	Sta	tus:		
				91 JUL 22
		•	osts	Y
				359
				92 APR 10
((e)	Date Design Complete		95 OCT 15
(2)	Bas	is:		
• •				NO .
	• •			N/A
(3)	TO t	al Cost (c) = (a) + (b) or (d) + (e):		
	100 (a)			(\$000
		All Other Design Costs		90 33
		Total		123
		Contract		9(
,		In-house		33
445	0	Thursday Charle		
(4)	Con	struction Start		96 JAN
5				
		associated with this project will be provide	d from	n
tner appro	pri	ations: N/A		

1. COMPONENT								2. DA	TE	
	1996 MILITAR				PROGE	RAM				
AIR FORCE		icer c		MMAND				5. AR	EA CO	NST
3. INSTALLATION AND LO	DCATION		4. Columns					COST INDEX		
	DOINIA		ATD C	ייע מאטי	COM	מאמ		0.92		
LANGLEY AIR FORCE BASI		700		UDENTS	AT COMMAND NTS SUPPOR			<u> </u>		-+
6. PERSONNEL	PERMANEN		OFF		CIV			CIV	TOT	ΔТ.
STRENGTH		CIV	OFF	ENL	CIV	13	BINI	7 355		
a. As of 30 SEP 94	2207 6466					13		7 355	1	600
b. End FY 2000	1802 5830		2202	(6000)		13		/ 333	3,	000
	7. INVEN	TORY	DATA	(\$000						
a. Total Acreage: (4,869)							266,4	E 6	l
b. Inventory Total As	Of: (30 SEE	94)						-		- 1
c. Authorization Not	et In Invent	cory:						31,9		
d. Authorization Reque	ested In This	s Prog	gram:					1,2		
e. Authorization Incl	ided In Follo	owing	Progr	am: (ry.	133/)		14 6	00	
f. Planned In Next For		ears:		•				14,6 47,0		1
g. Remaining Deficient	ey:							•		
h. Grand Total:				006				369,6	92	\dashv
8. PROJECTS REQUESTED	IN THIS PROC	GRAM:	FY 1	1996		G0.05		SECTON	CMAMI	
CATEGORY						COST	_	DESIGN		- 1
CODE PROJI	ECT TITLE		2	COPE		(\$000	<u>)</u>	START	<u>CM</u>	-
610-284 ALTER AIR CO	MBAT COMMAND				LS	26	3 3	JAN 91	JUL	91
HEADQUARTER:	S FACILITY									
871-183 UPGRADE STOR	M DRAINAGE SY	YSTEM			LS		_	1AY 94	SEP	95
				TOTAL:						
9a. Future Projects:	Included in	n the	Follo	owing I	Progr	cam (F	Y 19	997)		
610-284 ADD TO AND A		COMBA	r s	50,000	SF	4,60	10			
COMMAND FAC							_			
831-155 INDUSTRIAL W					LS	1,00	00			
PRETREATMEN'							_			
832-266 UPGRADE SANI	TARY SEWER S	YSTEM			-	2,84				
				TOTAL		8,44	10			
9b. Future Projects:			Next	Four '	rear:	s: 				1
211-159 ACFT CORROSI	ON CONTROL FO	CLTY		30,000						ļ
214-425 ADD TO VEHIC	LE MAINTENAN	CE		5,200	SF	1,10	,0			
FACILITY							١٥			
721-312 DORMITORY				288		5,50				
740-674 PHYSICAL FIT	NESS CENTER			24,000				224.		
10. Mission or Major	Functions:	Head	quarte	ers Al	r Col	mpat (anu; č	1 [+. +	_
fighter wing with thre	ee F-15 fight	ter s	quadro	ons and	a C-1	21/UH-	-ı a.	TICEGI	.c, cw	٠
intelligence squadron	s; and the U	SAF Do	octri	ne Cen	cer.					
11. Outstanding poll	ution and sa	fety	(OSH)	defic	ıenc	ies:				
a. Air pollutio	n:							1,50	00	
b. Water pollut								20,56	50	
c. Occupational	safety and	healti	h:						0	
d. Other Enviro			- -						0	
d. Other Enviro										

1. COMPONENT							2	. DAT	re .
· · · · · · · · · · · · · · · · · · ·	TY 1996 MILIT				PROGI	RAM			
AIR FORCE		puter o	T					3.77	22 001101
3. INSTALLATION AND	LOCATION			OMMAND			٦		EA CONS
		0001		MOBILIT	ľ. Ā				T INDE
FAIRCHILD AIR FORCE			COMM		-				11
6. PERSONNEL	PERMAN			TUDENTS	,		PORTE		
STRENGTH	OFF ENL		+		CIV	 			TOTAL
a. As of 30 SEP 94	731 4008	i i	1 .	35		3		126	_ ,
b. End FY 2000	757 4060			35		3	27	126	5,71
		ENTORY	DATA	(\$000))				
a. Total Acreage:							_		
b. Inventory Total A								35,69	
c. Authorization Not								24,37	
d. Authorization Red								7,50	
e. Authorization Ind		_	Progr	ram:	(FY]	1997)		18,30	
f. Planned In Next I	-	Years:						25,80	
g. Remaining Deficie	ency:						•	41,95	0
h. Grand Total:				. 			4	53,61	.6
8. PROJECTS REQUESTE	ED IN THIS PR	OGRAM:	FY :	1996					
CATEGORY						COST	DE	SIGN	STATUS
CODE PRO	DJECT TITLE		5	COPE		(\$000	<u>) s'</u>	TART	CMPL
			•						
721-312 ALTER DORM	TORIES							G 94	SEP 9
				TOTAL:		7,50			
9a. Future Projects				owing E	rogi	am (F	Y 199	7)	
121-122 KC-135 HYDF	RANT FUELING	SYSTEM				10,90			
141-753 KC-135 SQUA	ADRON OPERATI	ONS/	4	10,900	SF	6,30	0		
	MAINTENANCE U								
411-135 UNDERGROUNI	FUEL STORAG	E TANK	S		LS _	1,10	_		
				TOTAL:		18,30	0		
9b. Future Projects									
131-111 COMMUNICATI				18,000	SF	3,45	0		
136-664 UPGRADE RUN	NWAY LIGHTING	SYSTE	M		LS	4,00	0		
171-214 WATER SURV	VAL TRAINING		:	19,700	SF	5,00	0		
FACILITY									
442-758 BASE SUPPLI	ES & EQUIP W	HSE	2	25,000	SF	3,20	0		
610-249 WING HEADQU	JARTERS			28,300	SF	5,40	0		
Mission or Majo	or Functions:	An a	ir rei	fueling	g wir	ng wit	h fiv	e KC-	-135
air refueling squad:	ons; an Air	Nation	al Gua	ard ain	rei	fuelin	g win	g wit	:h a
KC-135 squadron; and	d the Air Edu	cation	and ?	rainir	ng Co	ommand	trai	ning	group
that conducts surviv	al training	UH-1 a:	ircrai	ft.					
11. Outstanding pol	llution and s	afety	(OSH)	defici	ienci	les:			
a. Air polluti	ion:							(
b. Water pollu								2,500)
	al safety and	healt	h:						Ó
d. Other Envir			- -)

1. COMPONENT						2.	DATE	
FY 1996 MILITARY CONSTRUCTION PROJECT DATA							4	
AIR FORCE (computer generated)								
3. INSTALLATION AND LOCATION 4. PROJECT TITLE								
FAIRCHILD AIR FORCE BASE, WASHINGTON ALTER DORMITORIES								
5. PROGRAM ELE	EMENT	6. CATEGORY	CODE 7	. PROJE	CT NUMBER	8. F	PROJECT	COST(\$000)
4.18.96		721-312		GJKZ9	80002			7,500

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
ALTER DORMITORIES (216 PN)				5,700
ALTERATION	SF	95,000	58	(5,510)
AUTOMATIC SPRINKLER PROTECTION	SF	95,000	2	(190)
SUPPORTING FACILITIES				735
UTILITIES	LS			(230)
PAVEMENTS	LS			(190)
SITE IMPROVEMENTS	LS			(140)
ASBESTOS ABATEMENT	LS			(<u>175</u>)
SUBTOTAL				6,435
CONTINGENCY (10%)				644
TOTAL CONTRACT COST	İ			7,079
SUPERVISION, INSPECTION AND OVERHEAD (6%)				425
TOTAL REQUEST				7,504
TOTAL REQUEST (ROUNDED)				7,500

10. Description of Proposed Construction: Alter three, two-story dormitories. Includes upgrading mechanical and electrical systems, interior finishes, bathroom fixtures, installation of individual storage lockers, converting flat roof to a sloped roof, providing game/lounge rooms, laundry rooms, fire protection, asbestos abatement, site improvements, and necessary support.

Air Conditioning: 65 Tons. Grade Mix: 216 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitories. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 216 personnel: 216 E1-E4, with a maximum utilization of 216 personnel.

CURRENT SITUATION: The facilities to be upgraded were constructed in 1953 and have had no major repairs in over 10 years. These dormitories are substandard when compared to the current living standards. Inadequate lighting and electrical power, substandard mechanical and plumbing systems, and deteriorated interior and exterior finishes are all major inefficiencies of the buildings.

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project meets the criteria/scope specified in the new

1. COMPONENT FY 199	6 MILITARY CONSTRUCTION PROJECT D	ATA	2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOC	**	,	•
FAIRCHILD AIR FORCE BAS	E, WASHINGTON		
4. PROJECT TITLE		5. 1	PROJECT NUMBER
ALTER DORMITORIES			GJKZ980002

uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, alteration was found to be the most cost effective over the life of the project. The fire protection system for this project meets new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 94. Cost for fire protection is shown separately since this new standard is not yet reflected in the OSD approved unit cost factor for dormitories.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
FAIRCHILD AIR FORCE BASE, WASHINGTON	T
4. PROJECT TITLE	5. PROJECT NUMBER
	GJKZ980002
ALTER DORMITORIES	GORAJOGOZ
12. SUPPLEMENTAL DATA:	
a. Estimated Design Data:	
(1) Status:	64 200 66
(a) Date Design Started	94 AUG 26
(b) Parametric Cost Estimates used to develop	
(c) Percent Complete as of Jan 1995	35%
(d) Date 35% Designed.	94 OCT 14
(e) Date Design Complete	95 SEP 08
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	450
(b) All Other Design Costs	300
(c) Total	750
(d) Contract	550
(e) In-house	200
	06 100
(4) Construction Start	96 APR
b. Equipment associated with this project will be provide	ed from
other appropriations: N/A	

MCCHORD AIR FORCE BASE, WASHINGTON COMMAND 1.0 6. PERSONNEL PERMANENT STUDENTS SUPPORTED STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV A. As of 30 SEP 94 522 3955 1250 25 28 103 b. End FY 2000 503 3685 1177 25 25 28 103 7. INVENTORY DATA (\$000) a. Total Acreage: (5,745) b. Inventory Total As Of: (30 SEP 94) 201,53: c. Authorization Not Yet In Inventory: 11,796 d. Authorization Requested In This Program: (FY 1997) 5,400 f. Planned In Next Four Program Years: 10,600 g. Remaining Deficiency: 67,400 h. Grand Total: 306,62: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 9,900 90. Future Projects: Typical Planned Next Four Years:	SOUTH STATUS COST DESIGN
3. INSTALLATION AND LOCATION AIR MOBILITY COST COMMAND AIR MOBILITY COMMAND 6. PERSONNEL STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV a. As of 30 SEP 94 b. End FY 2000 503 3685 1177 7. INVENTORY DATA (\$000) a. Total Acreage: (5,745) b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: 11,796 d. Authorization Requested In This Program: (FY 1997) e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: 10,600 g. Remaining Deficiency: 67,400 h. Grand Total: 300,622 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 93. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400 TOTAL: 5,400	### SUPPORTED 1.08 ###################################
AIR MOBILITY COST MCCHORD AIR FORCE BASE, WASHINGTON COMMAND 1.0 6. PERSONNEL PERMANENT STUDENTS SUPPORTED STRENGTH OFF ENL CIV OFF ENL	COST INDE 1.08 ENTS SUPPORTED NL CIV OFF ENL CIV TOTAL 25 28 103 5,88 25 28 103 5,52 000) 201,531 11,790 9,900 10,600 67,400 306,621 COST DESIGN STATUS (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 99 192 PN 4,300 AUG 94 MAY 99 192 PN 9,900 10 AUG 94 MAY 99 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 10 AUG 97 11 AUG 97 12 PN 5,400 13 AUG 97 14 AUG 97 15 AUG 16 AUG 97 17 AUG 97 18
MCCHORD AIR FORCE BASE, WASHINGTON COMMAND	1.08
PERSONNEL PERMANENT STUDENTS SUPPORTED	SUPPORTED NL CIV OFF ENL CIV TOTAL 25 28 103 5,88 25 28 103 5,52 000) 201,531 11,790 9,900 5,400 10,600 67,400 306,621 COST DESIGN STATUS (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 99 192 PN 4,300 AUG 94 MAY 99 194 Program (FY 1997) 195 Program (FY 1997) 192 PN 5,400 194 Program (FY 1997) 195 Program (FY 1997) 195 Program (FY 1997) 196 Program (FY 1997) 197 Program (FY 1997) 198 Program (FY 1997) 198 Program (FY 1997) 199 Program (FY 1997)
STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL CIV a. As of 30 SEP 94 522 3955 1250 25 28 103 b. End FY 2000 503 3685 1177 25 28 103 7. INVENTORY DATA (\$000) a. Total Acreage: (5,745) b. Inventory Total As Of: (30 SEP 94) 201,533 c. Authorization Not Yet In Inventory: 11,790 d. Authorization Requested In This Program: 9,900 e. Authorization Included In Following Program: (FY 1997) 5,400 f. Planned In Next Four Program Years: 10,600 g. Remaining Deficiency: 67,400 h. Grand Total: 306,62: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	NL CIV OFF ENL CIV TOTAL 25 28 103 5,88 25 28 103 5,52 000) 201,531 11,790 9,900 (FY 1997) 5,400 10,600 67,400 306,621 COST DESIGN STATUS (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 99 192 PN 4,300 AUG 94 MAY 99 192 PN 9,900 10 PRAL: 9,900 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400 10 PRAL: 5,400
a. As of 30 SEP 94	25 28 103 5,88 25 28 103 5,52 201,531 11,790 9,900 5,400 10,600 67,400 306,621 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 192 PN 4,300 AUG 94 MAY 9 194 9,900 196 Program (FY 1997) 197 1997) 198 1997 1997 1997 1997 1997 1997 1997 1997
D. End FY 2000 503 3685 1177 25 28 103	25 28 103 5,52 201,531 11,790 9,900 5,400 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 192 PN 4,300 AUG 94 MAY 9 194 PAL: 9,900 19 Program (FY 1997) 1922 PN 5,400 194 PAL: 5,400 195 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400 197 PAL: 5,400
7. INVENTORY DATA (\$000) a. Total Acreage: (5,745) b. Inventory Total As Of: (30 SEP 94)	201,531 11,790 9,900 5,400 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 PAL: 9,900 10 Program (FY 1997) 122 PN 5,400 13 Program (FY 1997) 14 Program (FY 1997) 15 Program (FY 1997) 16 Program (FY 1997) 17 Program (FY 1997) 18 Program (FY 1997)
a. Total Acreage: (5,745) b. Inventory Total As Of: (30 SEP 94) 201,533 c. Authorization Not Yet In Inventory: 11,790 d. Authorization Requested In This Program: 9,900 e. Authorization Included In Following Program: (FY 1997) 5,400 f. Planned In Next Four Program Years: 10,600 g. Remaining Deficiency: 67,400 h. Grand Total: 306,62: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESIGN S CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 93. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 95b. Future Projects: Typical Planned Next Four Years:	201,531 11,790 9,900 5,400 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 92 PN 9,900 192 PN 9,900 193 Program (FY 1997) 192 PN 5,400 194 PN 1997) 195 PN 1997) 197 PN 1997) 197 PN 1997) 198 PN 199 PN 1
b. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) 141-753 SQUADRON OPERATIONS/AIRCRAFT AMAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 92 PN 4,300 AUG 94 TOTAL: 9,900 93. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 95. Future Projects: Typical Planned Next Four Years:	11,790 9,900 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 PAL: 9,900 TAL: 9,900 TAL: 9,900 TAL: 5,400 TAL: 5,400 TAL: 5,400 TAL: 5,400 TAL: 5,400 TAL: 5,400
c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) 5,400 f. Planned In Next Four Program Years: 10,600 g. Remaining Deficiency: 67,400 h. Grand Total: 306,622 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 92 PN 4,300 AUG 94 TOTAL: 9,900 93. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 95. Future Projects: Typical Planned Next Four Years:	11,790 9,900 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 PAL: 9,900 10 Program (FY 1997) 1222 PN 5,400 13 FAL: 5,400 13 FAL: 5,400 14 FAL: 5,400 15 FAL: 5,400 16 FAL: 5,400 17 Years: 175 SF 8,600
d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (S000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 721-312 ALTER DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	9,900 5,400 10,600 67,400 306,621 6 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 PAL: 9,900 10 Program (FY 1997) 122 PN 5,400 131 Tyears: 175 SF 8,600
e. Authorization Included In Following Program: (FY 1997) 5,400 ft. Planned In Next Four Program Years: 10,600 gt. Remaining Deficiency: 67,400 ht. Grand Total: 306,622 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESIGN START CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 MAINTENANCE UNIT FACILITY 92 PN 4,300 AUG 94 TOTAL: 9,900 Pa. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 Pb. Future Projects: Typical Planned Next Four Years:	COST DESIGN STATUS (\$000) START CMPL (\$000) START CMPL (\$000) START CMPL (\$000) AUG 94 JUN 9 (\$100) PAL: 9,900 (\$100) PAL: 5,400 (\$100) PA
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	10,600 67,400 306,621 COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 7AL: 9,900 10 Program (FY 1997) 222 PN 5,400 TAL: 5,400 11 Years: 175 SF 8,600
h. Grand Total: 306,623 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESIGN S CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	306,621 COST DESIGN STATUS (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 PAL: 9,900 10 Program (FY 1997) 122 PN 5,400 1AL: 5,400 1AL: 5,400 1AL: 5,400 1AL: 5,400 1AL: 5,400 1AL: 5,400
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 TAL: 9,900 10 Program (FY 1997) 222 PN 5,400 TAL: 5,400 11 Tyears: 175 SF 8,600
CATEGORY CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	COST DESIGN STATUS PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 7AL: 9,900 10 Program (FY 1997) 222 PN 5,400 17AL: 5,400 17AL: 5,400 175 SF 8,600
CODE PROJECT TITLE SCOPE (\$000) START 141-753 SQUADRON OPERATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY 31,600 SF 5,600 AUG 94 AUG	PE (\$000) START CMPL 500 SF 5,600 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 TAL: 9,900 10 Program (FY 1997) 222 PN 5,400 TAL: 5,400 11 Tyears: 175 SF 8,600
141-753 SQUADRON OPERATIONS/AIRCRAFT 31,600 SF 5,600 AUG 94 MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	92 PN 4,300 AUG 94 JUN 9 92 PN 4,300 AUG 94 MAY 9 1AL: 9,900 10 Program (FY 1997) 122 PN 5,400 1AL: 5,400 1AC: 5,400 1AC: 5,400 1AC: 5,400
MAINTENANCE UNIT FACILITY 721-312 DORMITORY 92 PN 4,300 AUG 94 TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	92 PN 4,300 AUG 94 MAY 9 FAL: 9,900 ng Program (FY 1997) 222 PN 5,400 FAL: 5,400 ar Years: 175 SF 8,600
TOTAL: 9,900 9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	PAL: 9,900 ag Program (FY 1997) 222 PN 5,400 PAL: 5,400 ar Years: 175 SF 8,600
9a. Future Projects: Included in the Following Program (FY 1997) 721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	ng Program (FY 1997) 222 PN <u>5,400</u> FAL: 5,400 or Years: 175 SF 8,600
721-312 ALTER DORMITORY 222 PN 5,400 TOTAL: 5,400 9b. Future Projects: Typical Planned Next Four Years:	222 PN 5,400 FAL: 5,400 or Years:
9b. Future Projects: Typical Planned Next Four Years:	TAL: 5,400 ar Years: 175 SF 8,600
	175 SF 8,600
010 000 500 500 500 500 500 500 500 500	• • • •
219-000 BASE ENGINEERING COMPLEX 125,175 SF 8,600	
411-135 IMPROVE JET FUEL STORAGE LS 2,000	
10. Mission or Major Functions: An Air Combat Command airlift wing v	
three C-141 squadrons; an Air Force Reserve C-141 associate airlift wi	
Northwest Air Defense Sector, which will consolidate into the Western	
Defense Sector 95/2 and be assigned to the Air National Guard; and an	
National Guard air defense detachment (F-15 aircraft).	
11. Outstanding pollution and safety (OSH) deficiencies:	craft).
	craft).
•	ccraft). Ticiencies:
b. Water pollution: 3,000	ccraft). Ficiencies: O
·	ccraft). ficiencies: 0 3,000
c. Occupational safety and health: 9,700 d. Other Environmental: 0	0 3,000 9,700

	1. COMPONENT					2. DATE
i		FY 1996 MILITARY C	ONSTRUCT	ION PROJECT	DATA	
	AIR FORCE	(comput	er gener	ated)		
	3. INSTALLATI	ON AND LOCATION		4. PROJECT T	TITLE	
I				SQUADRON OPE	ERATIONS/A	IRCRAFT
l	MCCHORD AIR F	FORCE BASE, WASHINGTON		MAINTENANCE	UNIT FACI	LITY
	5. PROGRAM EI	LEMENT 6. CATEGORY CODE	7. PROJ	ECT NUMBER	8. PROJEC	T COST (\$000)
I				:		

PQWY963004

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	מ/ט	QUANTITY	COST	(\$000)
SQUADRON OPERATIONS/AIRCRAFT			. "	
MAINTENANCE UNIT FACILITY	SF	31,600	130	4,108
SUPPORTING FACILITIES		ł		935
UTILITIES	LS			(310)
PAVEMENTS	LS			(290)
SITE IMPROVEMENTS	LS			(225)
ELEVATOR	EA	' 1	110,000	(<u>110</u>)
SUBTOTAL				5,043
CONTINGENCY (5%)	·			252
TOTAL CONTRACT COST				5,295
SUPERVISION, INSPECTION AND OVERHEAD (6%)				318
TOTAL REQUEST				5,613
TOTAL REQUEST (ROUNDED)				5,600
	-			
			ļ	
	1			

10. Description of Proposed Construction: Two-story facility with concrete foundation, masonry walls, structural steel frame, sloping roof system, fire protection system, utilities, elevator, site improvements, and necessary support.

Air Conditioning: 65 Tons.

4.18.96

11. REQUIREMENT: As required.

PROJECT: Construct a Squadron Operations/Aircraft Maintenance Unit (Sq Ops/AMU) facility. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) project. It is required to comply with Air Force guidance to build Objective Wing squadrons by combining aircraft operators with flightline maintainers. The consolidation relocates flyers and maintainers out of undersized, interim, and dispersed facilities into a functional and adequately sized structure to support large framed aircraft. Space is required for Ops/AMU management support, briefing/debriefing, flight planning, training and testing, tool rooms, standardization/evaluation, locker rooms, flying/ground safety, bench stock, mobility office, scheduling, and a technical order library. In addition, an elevator is required to comply with the Americans With Disabilities Act of 1990. This consolidation is consistent with the Air Mobility Command initiative to bring the command's Sq Ops/AMU facilities up to minimum Air Force standards. These efficiencies are essential to maintain mission tasking rates in the Air Mobility Command.

CURRENT SITUATION: There are no adequate facilities to support wide framed aircraft consolidated Sq Ops/AMU operations at McChord AFB. Currently there are three operations and two maintenance facilities in use. These facilities provide less than half of the required space and

5,600

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT D	2. DATE
AIR FORCE	(computer generated)	
3. INSTALLATIO	N AND LOCATION	
MCCHORD AIR FO	RCE BASE, WASHINGTON	
4. PROJECT TIT		5. PROJECT NUMBER
COUNDON OPERA	TIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	POWY963004

are scattered throughout McChord AFB. The operations personnel of the flying squadron currently operate in an overcrowded, improperly configured facility far from the squadron maintenance personnel on the flightline. The supporting AMU occupies an overcrowded, improperly configured, and temporary modular facility approved for use only until completion of this project. The squadron life support functions are shoehorned in with two other squadron life support elements in a single overcrowded facility at a third location on base. This physical separation creates fragmented lines of communications and authority.

IMPACT IF NOT PROVIDED: Operations, maintenance, and support personnel will remain in separate, undersized, and interim buildings and will never develop the cohesiveness necessary to become an efficient and effective operational squadron. The geographic separation will continue to hamper the lines of authority and communication throughout the squadron. Essential squadron operations and logistic functions will continue to require additional work-arounds that will degrade mission performance. ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". A preliminary analysis of reasonable options for accomplishing this project (status quo, addition/alteration, and new construction) was done. It indicates new construction is the only option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1		
1. COMPONENT	TU 1006 NT TT TO DU GOVERNUETON TO TO TO TO	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ra
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
MCCHORD AIR F	ORCE BASE, WASHINGTON	
4. PROJECT TI	TLE	5. PROJECT NUMBER
SQUADRON OPER	ATIONS/AIRCRAFT MAINTENANCE UNIT FACILITY	PQWY963004
12. SUPPLEME	NTAL DATA:	
TZ. SOFFIBRE	WIRD DAIR.	
a. Estimat	ed Design Data:	
(1) 6+	atura.	
(1) St		94 AUG 14
	Parametric Cost Estimates used to develop of	
	Percent Complete as of Jan 1995	35%
	Date 35% Designed.	94 OCT 14
1	Date Design Complete	95 JUN 29
(2) Po		
(2) Ba		VDC
, ,	Standard or Definitive Design -	YES
(a)	Where Design Was Most Recently Used -	TRAVIS
	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	300
	All Other Design Costs	200
• •	Total	500
	Contract	400
(e)	In-house	100
(4) Co	nstruction Start	95 DEC
		!
h Parisson	aggregated with this project will be asserted	d fuom
b. Equipment other appropr:	associated with this project will be provide	d irom
other appropri	LACTURE: N/A	

1. COMPONENT			2. DATE		
	FY 1996 MILITARY C	ONSTRUCTION PROJECT	DATA		
AIR FORCE	(comput	er generated)			
3. INSTALLATION	AND LOCATION	4. PROJECT	ritle .		
MCCHORD AIR FORCE BASE, WASHINGTON DORMITORY					
5. PROGRAM ELEME	ENT 6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)		
4.18.96	721-312	PQWY953007	4,300		
•	9. COS	T ESTIMATES			

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (92 PN)				3,335
DORMITORY	SF	32,700	100	(3,270)
AUTOMATIC SPRINKLER PROTECTION	SF	32,700	2	(65)
SUPPORTING FACILITIES				515
UTILITIES	LS			(150)
PAVEMENTS	LS			(75)
SITE IMPROVEMENTS	LS			(45)
DEMOLITION	SF	24,800	5	(125)
ASBESTOS REMOVAL/DISPOSAL	SF	15,000	8	(120)
SUBTOTAL				3,850
CONTINGENCY (5%)				193
TOTAL CONTRACT COST				4,043
SUPERVISION, INSPECTION AND OVERHEAD (6%)				243
TOTAL REQUEST				4,286
TOTAL REQUEST (ROUNDED)				4,300
				,

10. Description of Proposed Construction: A three-story structure with reinforced concrete foundation and floor slabs, masonry walls and roof. Includes room-bath-room modules, laundries, storage and lounge areas and all supporting facilities. Demolition of one dormitory and necessary support.

Air Conditioning: 65 Tons. Grade Mix: 92 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 92 personnel: 92 E1-E4, with a maximum utilization of 92 personnel.

CURRENT SITUATION: There are currently not enough adequate dormitories to meet the billeting requirements of unaccompanied enlisted personnel at this installation. Currently there are in excess of 250 E-1 through E-4 enisted personnel living off base due to lack of adequate on-base quarters. Adequate off base rentals cost an average of \$550 per month. This project will significantly reduce this existing deficit and reduce the need for \$949,043 payment of BAQ/VHA/BAS annually. Substandard facilities to be replaced do not provide semi-private baths, adequate control of heating and air conditioning, sufficient noise attenuation or necessary amenities to adequately house enlisted personnel. One substandard facility totalling 24,800 square feet will be demolished upon

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	ON AND LOCATION ORCE BASE, WASHINGTON	
		
4. PROJECT TI	TLE 5.	PROJECT NUMBER
DORMITORY		POWY953007

completion of this project.

IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Unaccompanied enlisted personnel will have to continue living off-base resulting in an annual payment of \$626,369 of BAQ/VHA/BAS.

ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, sending personnel off base paying BAQ/VHA, and status quo. Based on the present value and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factor for dormitories.

IR FORCE		EV 1996 MILITARY CONCERNICATION PROTECTS NA	אי			
TV LOVO	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)					
INSTA		ON AND LOCATION				
		DRCE BASE, WASHINGTON				
. PROJEC	CT TI	rle	5. PROJECT NUMBE			
ORMITOR			PQWY953007			
2. SUPI	PLEMEN	NTAL DATA:				
a. Est	imate	ed Design Data:				
(1)	Sta	atus:				
	(a)	Date Design Started	94 AUG 0			
		Parametric Cost Estimates used to develop c	osts			
		Percent Complete as of Jan 1995	35			
		Date 35% Designed.	94 OCT 0			
	(e)	Date Design Complete	95 MAY 1			
(2)	Bas	sis:				
		Standard or Definitive Design -	YES			
	(b)	Where Design Was Most Recently Used -	MCCHORD			
(3)	Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(\$00			
		Production of Plans and Specifications	24			
	(b)	All Other Design Costs	19			
	(C)	Total	43			
	(d)	Contract	35			
	(e)	In-house	8			
(4)	Con	struction Start	95 DE			
Equip	ment	associated with this project will be provide	d from			
her app	ropri	ations: N/A				

-	1. COMPONENT										2.	DAT	Έ	
		FY 1996 MILITARY CONSTRUCTION PROGRAM												ŀ
i	AIR FORCE			(comp	outer o	genera	ited)				_:			
-	3. INSTALLATION	ON AND LOC	ATIO	N		4. CC	DMMAND				5.	ARE	A COI	NST
						AIR E	ORCE				COST INDEX)EX
F E WARREN AIR FORCE BASE, WYOMING							SPACE COMMAND					1.	02	
-	6. PERSONNEL			ERMANE		SI	STUDENTS SUP			PORT	'ED			
	STRENGTH	7	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENI	<u>, c</u>	IV	TOTA	
	a. As of 30 S	EP 94	578	2966	530					2		78	4,1	- 1
	b. End FY 200	o	575	2904	509					2	1	78	4,0)87
-			7	. INVE	ENTORY	DATA	(\$000))						
_	a. Total Acre	age: (6,6											ļ
	b. Inventory	Total As O	f:	(30 SE	EP 94)						220	•		j
	c. Authorizat	ion Not Ye	t In	Inver	itory:							,55		ļ
	d. Authorizat	ion Reques	ted	In Thi	s Prog	gram:					9	,00	0	
		e. Authorization Included In Following Program: (FY 1997)												
	f. Planned In	f. Planned In Next Four Program Years: 3,400												
	g. Remaining Deficiency: 33,659									İ				
	h. Grand Tota	h. Grand Total: 286,891												
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996														
	CATEGORY	•							COST	_			STATU	
	CODE PROJECT TITLE SCOPE (\$000)								<u>))</u>	STA	RT	CMI	느ㅣ	
												0.4		0.5
	721-312 ALTE						200		5,50		YAI			- 1
821-116 UPGRADE CENTRAL HEAT PLANT LS 3,500 JUL 94 AUG								AUG	95					
_	9a. Future Projects: Included in the Following Program (FY 1997) NONE													
-	9a. Future P	rojects:	Incl	uaea 1	lanned	LOTIC	FOUR \	/ears	. a.m (I	1 13	21)	140		
	9b. Future Projects: Typical Planned Next Four Years: 740-884 CHILD DEVELOPMENT CENTER 19,500 SF 3,400													
-	The state of the Power of the P													
AFSPC missile wing consisting of one Peacekeeper and three Minuteman III														
intercontinental ballistic missile squadrons with UH-1 aircraft.														
5 1 10000														
	11. Outstanding pollution and safety (OSH) dericlencies:													
	a. Air	pollution:										0		
		r pollutio	n:								0			
				v and	healt	h:						0	•	
	<pre>c. Occupational safety and health: d. Other Environmental:</pre>									0)			
	d. Other Bhyrronmenear.													

1. COMPONENT						2. DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA						
AIR FORCE		(comp					
3. INSTALLATION AND LOCATION 4. PROJECT TITLE							
F E WARREN AIR FORCE BASE, WYOMING ALTER DORMITORIES							
5. PROGRAM EL	EMENT	6. CATEGORY CO	DE 7. PRO	JECT NUMBER	8. PROJECT	r COST(\$000)	
3.59.96		721-312	GHL	GHLN961005		5,500	
9. COST ESTIMATES							

9. COST ESTIMA	IEO			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
ALTER DORMITORIES (200 PN)				4,654
ALTER DORMITORIES	SF	89,500	50	(4,475)
AUTOMATIC SPRINKLER SYSTEM	SF	89,500	2	(179)
SUPPORTING FACILITIES				100
SITE IMPROVEMENTS	LS			(<u>100</u>)
SUBTOTAL				4,754
CONTINGENCY (10%)				475
TOTAL CONTRACT COST	1			5,229
SUPERVISION, INSPECTION AND OVERHEAD (6%)				314
TOTAL REQUEST			•	5,543
TOTAL REQUEST (ROUNDED)				5,500

10. Description of Proposed Construction: Alter three, two-story dormitory facilities to provide room-bath-room configuration. Includes electrical, structural, and mechanical modifications; asbestos and lead-based paint removal; fire sprinkler system; site improvements and all other necessary support.

Air Conditioning: 150 Tons. Grade Mix: 200 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Alter dormitories. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation, and personal well being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 200 personnel: 200 E1-E4, with a maximum utilization of 200 personnel. CURRENT SITUATION: These three historic buildings require upgrading to meet current dormitory standards. They are structurally sound, red brick, two-story (with basement) facilities constructed in 1906 as open bay cavalry barracks. The facilities are listed on the National Register of Historic Places. They were previously converted from open-bay to individual bedrooms with central latrines in 1959, but do not meet current DoD dormitory standards or local building code requirements. Existing central latrine facilities offer residents little or no privacy. Antiquated plumbing, heating and electrical systems have exceeded their life expectancy and require replacement. No fire sprinkler system exists in individual rooms as required by life safety code.

1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE								
AIR FORCE (computer generated)									
3. INSTALLATION AND LOCATION F E WARREN AIR FORCE BASE, WYOMING									
	5. PROJECT NUMBER								
ALEED DODMIEDLES	GHI.N961005								

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded. Excessive energy consumption and maintenance costs will continue if these systems are not upgraded. ADDITIONAL: This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not yet reflected in OSD approved unit cost factors for dormitories.

1. COMPONEN	T	2. DATE	
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	
AIR FORCE	(computer generated)		
3. INSTALLA	TION AND LOCATION		
F E WARREN	AIR FORCE BASE, WYOMING		
4. PROJECT		5. PROJECT NUMBE	ER
ALTER DORMI	TORIES	GHLN961005	
		<u> </u>	
12. SUPPLE	MENTAL DATA:		
a. Estim	ated Design Data:		
(1)	Status:		
	a) Date Design Started	94 MAY C	-
	b) Parametric Cost Estimates used to develop		N
	c) Percent Complete as of Jan 1995	35	-
(d) Date 35% Designed.	94 OCT 0	_
(e) Date Design Complete	95 NOV C)1
(2)	Basis:		
(a) Standard or Definitive Design -	YES	
(b) Where Design Was Most Recently Used -	F E WAF	₹R
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$00	00)
	a) Production of Plans and Specifications	33	30
•	b) All Other Design Costs	22	20
•	c) Total	5.5	50
-	d) Contract	55	50
•	e) In-house		
(4)	Construction Start	96 J <i>I</i>	AN
(-/			
b. Equipme	nt associated with this project will be provide	ed from	
other appro	priations: N/A		

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT	TITLE
F E WARREN AIR FOR	CE BASE, WYOMING	UPGRADE CENT	TRAL HEAT PLANT
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
3.59.96	821-116	GHLN961002	3,500
	0 0000	n nomilyamno	

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
UPGRADE CENTRAL HEAT PLANT	LS			2,920
REPLACE HTHW GENERATORS	EA	3	450,000	(1,350)
REPLACE CONVECTIVE SECTION	EA	3	185,000	(555)
REPLACE CIRCULATING PUMPS	EA	3	88,330	(265)
DEMOLISH BAGHOUSE/COAL SYSTEM	EA	1	400,000	(400)
REPLACE OPERATING CONTROLS	LS			(350)
SUPPORTING FACILITIES		•		65
REPAIR WALLS, CATWALKS, LADDERS, FLOOR	LS			(45)
INTERIOR RENOVATIONS	LS			(20)
SUBTOTAL				2,985
CONTINGENCY (10%)				299
TOTAL CONTRACT COST				3,284
SUPERVISION, INSPECTION AND OVERHEAD (6%)				197
TOTAL REQUEST				3,481
TOTAL REQUEST (ROUNDED)				3,500
			1	
			1	

- 10. Description of Proposed Construction: Remove two coal stokers and generators and replace with gas fired units; replace one gas-fired generator, operating controls and circulating pumps. Replace catwalks, platforms, ladders, and opacity and water flow meters. Includes some interior maintenance. Repair retaining wall outside heat plant. Demolish coal feed and ash handling system, reverse air system, and baghouse.
- 11. REQUIREMENT: As required.

PROJECT: Upgrade central heat plant. (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. Provide space heating and domestic hot water for 112 base buildings (80% of total base building square footage). Dual-fuel capability (natural gas/propane) is required to provide backup in the event of interruption of primary fuel source. Each generator is required to output 55 million BTUs. Temperatures can dip to minus 36 degrees with wind chill to minus 70 degrees, requiring two generators to operate at 70% capacity with the third as backup. Conversion to natural gas is needed to eliminate sulfur oxide emissions, pollution of a nearby tributary from coal fines, and the possibility of violations of the Clean Air Act associated with disposal of fly ash. Permanent catwalks, work platforms, and ladders are required to provide safe access to equipment needing periodic maintenance and repair. Provide operating controls, valves, pumps, generators, convective tube sections, flow meters, and other items of installed equipment are essential to operation of the heating plant. CURRENT SITUATION: The central heating plant is the only source of heat for the base buildings served. The three plant generators produce high temperature water at high pressure, and the water is then distributed through insulated mains to base buildings. One generator has been

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT	1	DATE
AIR FORCE	(computer generated)		
	ON AND LOCATION		
	R FORCE BASE, WYOMING	5 PROJE	CT NUMBER
4. PROJECT TIT		GHLN9	

converted to natural gas, but the other two are still coal fired and have vibrating stokers. Continuous vibration from the stokers has caused serious cutting and scoring of the convective section tubes. An inspection revealed scoring has penetrated two-thirds of the way through the majority of tubes in each section. Radiant walls are buckling from off-center firing, and circulating pumps are operating at peak capacity but are still inadequate. This is the first installation where these generators and stokers were used together and they are not compatible; the stoker and most parts for it are no longer made. The two coal-fired generators are used only in emergencies to preclude further damage to the tubes. Normal life expectancy of generators should be 25-30 years; however, due to incompatibility of components these units require replacement after only 13 years. In addition, the control systems and access for maintenance are deficient. Instrument air compressor and operating controls are unreliable and unserviceable. Temporary catwalks and wooden platforms are a safety hazard, and there is no access to certain essential equipment. Permanent catwalks, platforms and ladders must be installed to permit safe maintenance and repair of high equipment. IMPACT IF NOT PROVIDED: Generators are particularly vulnerable to failure at any time. When two generators fail there will be insufficient capacity to heat base buildings to usable temperatures, and base personnel will be sent home. If all three generators fail there will be no heat for base buildings, pipes will freeze, facilities will be seriously damaged, and repairs to the heat plant and 112 facilities could run into the hundreds of millions of dollars. The primary mission would be severely impacted for weeks while critical repairs were being made. Mission support could be impacted for several months awaiting permanent repairs. Operations and maintenance costs will remain higher if this project is not provided. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the alternative which is most cost efficient over the life of the project. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

11		
1. COMPONENT	TV 1006 VII ITTER CONSTRUCTION TO THE	2. DATE
ATD FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
F F WADDEN AT	R FORCE BASE, WYOMING	
4. PROJECT TI		5. PROJECT NUMBER
4. INCODEL II	.1100	5. PROJECT NUMBER
UPGRADE CENTE	AL HEAT PLANT	GHLN961002
02.01.2.2	***************************************	GHEN961002
12. SUPPLEME	NTAL DATA:	
a. Estimat	ed Design Data:	
(1) St	atus:	
(a)	Date Design Started	94 JUL 06
, ,	Parametric Cost Estimates used to develop	
	Percent Complete as of Jan 1995	35%
	Date 35% Designed.	94 DEC 31
	Date Design Complete	95 AUG 01
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) TO	tal Cost (c) = (a) + (b) or (d) + (e):	(2000)
	Production of Plans and Specifications	(\$000)
	All Other Design Costs	187
	Total	188 375
• •	Contract	375 251
• •	In-house	124
(0)		124
(4) Co	nstruction Start	96 APR
• •		JO AFK

b. Equipment associated with this project will be provided from other appropriations: N/A

1. COMPONENT							2	. DAT	Ë
		ILITARY C			PROGE	KAM			
AIR FORCE		(computer		-				ADE	A CONST
3. INSTALLATION			4. 00	DMMAND			٦		T INDEX
CLASSIFIED LOCA	•	AND						_	סס דיי
OUTSIDE THE UNI				NID DAM		CUD	PORTE		00
6. PERSONNEL	+	RMANENT	_	TUDENT: ENL	CIV	OFF			
STRENGTH	-	ENL CIV	OFF	ENL	CIV	OFF	ENL	1014	TOTAL
a. As of 30 SEP	94							1 1	
b. End FY 2000			V D D M D	/ 6000	<u> </u>				
		INVENTOR	DAIA	(\$000	1			·	
a. Total Acreag		0)							0
b. Inventory To									0
c. Authorizatio								17,80	•
d. Authorizatio e. Authorizatio	n kequested I	n ints er	a Progr	cam.	/EV 1	9971		19,52	
				· am ·	(11 -			-	_
f. Planned In N		Idm Tears	•						0 0
g. Remaining De	riciency:								0
h. Grand Total: 8. PROJECTS REQ	וויים או חשיים	S PROGRAM	. FV	1996					
	OPSIED IN IHI	J FROGRAM	· FI .			COST	ים י	STGN	STATUS
CATEGORY	PROJECT TIT	T.F		SCOPE		(\$000		TART	CMPL
CODE	PROJECT TIT	<u>DE</u>	2	JCOI E		1000	7 =	<u> </u>	<u> </u>
100-000 SPECIA	ווו האכתוכאו ווא	TT			LS	70	0		
	HMENT FACILIT				20				
214-425 VEHICL				13.000	SF	1.60	O AF	R 94	JUN 9
214-425 VERICE 442-758 WAR RE				000,000					
WAREH		1112	•	50,000					
WAICEII	OODED			TOTAL	: -	17,80	00		
9a. Future Pro	jects: Inclu	ded in th	e Follo	owing	Prog			97)	
	L TACTICAL UN				Ls			•	
	HMENT FACILIT								
422-264 MUNITI			!	54,500	SF	7,00	00		
442-758 WAR RE				15,000	SF	2,30	00		
WAREH				·					
442-758 WAR RE		IAL	10	00,000	SF	6,00	00		
WAREH	OUSES								
				TOTAL	:	19,52	26		
9b. Future Pro	jects: Typic	al Planne	d Next	Four	Year	s:			
	g pollution a								
	-								
a. Air po	llution:							(0
	pollution:							(0
	tional safety	and heal	th:					(0
	Environmenta]							(0

1. COMPONENT			2. DATE
FY		ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT	TITLE
CLASSIFIED LOCATION	1	VEHICLE MAIN	NTENANCE FACILITY
5. PROGRAM ELEMENT		7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.80.31	214-425	HACC953023	1,600

ITEM U/M QUANTITY COST (\$0	OST
VEHICLE MAINTENANCE FACILITY SF 13,000 95 1	300)
SUPPORTING FACILITIES UTILITIES PAVEMENTS SITE IMPROVEMENTS SUBTOTAL CONTINGENCY (5%) TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (6.5%) TOTAL REQUEST () () () () () () () () () (1,235 190 90) 50) 50) 1,425 71 1,496 97 1,593

10. Description of Proposed Construction: Constructs a pre-engineered metal and masonry building on a concrete foundation with environmental control systems, restrooms, administrative and shop spaces, required utilities, and supporting facilities, including pavements and site improvements.

Air Conditioning: 25 Tons.

REQUIREMENT: 13,000 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct a vehicle maintenance facility. (New Mission) REQUIREMENT: A war readiness materiel (WRM) vehicle maintenance shop and management facility are required to support OPPLAN 1002-95 for prepositioning and long-term storage of WRM vehicle assets. These assets must be ready for use by US Central Command (CENTCOM) forces. This facility will support the management and reconstitution of 1,600 vehicles. CURRENT SITUATION: Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind which are causing accelerated deterioration of the vehicles' tires, gaskets, hoses, seats, and paint finish. vehicles are deteriorating at an estimated rate of 15% per year and must either be reconstituted and stored in country or returned to the CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness requirements or provide operational flexibility for OPPLAN 1002-95 execution.

IMPACT IF NOT PROVIDED: The 1,600-vehicle fleet, valued at \$42 million,
will continue to deteriorate at a cost of \$6 million per year and no

345

	1. COMPONENT FY	2 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	2. DATE
	AIR FORCE	(computer generated)		
	3. INSTALLATION AND	LOCATION		
	CLASSIFIED LOCATION			
	4. PROJECT TITLE		5.	PROJECT NUMBER
I	VEHICLE MAINTENANCE	FACILITY		HACC953023

facility will be available to maintain combat capability and requirements of OPLAN 1002-95.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project does not qualify for Host Nation construction funding.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	;
AIR FORCE	(computer generated)	
3. INSTALLA	ION AND LOCATION	
CLASSIFIED I	·	T
4. PROJECT 1	ITLE	5. PROJECT NUMBER
VEHICLE MAIN	TENANCE FACILITY	HACC953023
12. SUPPLEM	ENTAL DATA:	
iz. Doilibbi	DRIAD DAIR.	
a. Estima	ted Design Data:	
	•	
(1) 8	tatus:	
(a) Date Design Started	94 APR 20
(t) Parametric Cost Estimates used to develop of	costs Y
(c) Percent Complete as of Jan 1995 '	35%
•) Date 35% Designed.	94 JUN 25
(€) Date Design Complete	95 JUN 01
(2) B	acie.	
` ') Standard or Definitive Design -	NO
) Where Design Was Most Recently Used -	N/A
•	,	.,,.,
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a	Production of Plans and Specifications	96
(b	All Other Design Costs	56
(c) Total	152
(d	Contract	
(е	In-house	152
(4) C	onstruction Start	95 DEC
	associated with this project will be provide	d from
other approp	riations: N/A	

1. COMPONENT			2. DATE
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	DLOCATION	4. PROJECT	TITLE
		WAR READINES	SS MATERIAL
CLASSIFIED LOCATION	N	WAREHOUSES	
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.80.31	442-758	HACC953022	15,500

9. COST ESTIMAT	res			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
WAR READINESS MATERIAL WAREHOUSES	SF	300,000	40	12,000
SUPPORTING FACILITIES				1,825
UTILITIES	LS			(940
PAVEMENTS	LS			(730)
SITE IMPROVEMENTS	LS			(155
SUBTOTAL				13,825
CONTINGENCY (5%)		•		691
TOTAL CONTRACT COST	ı			14,516
SUPERVISION, INSPECTION AND OVERHEAD (6%)				871
TOTAL REQUEST	- 1			15,387
TOTAL REQUEST (ROUNDED)	İ			15,500
	1			
				ĺ
	1			Į
	1			

- 10. Description of Proposed Construction: Construct three pre-engineered metal and masonry buildings of approximately 100,000 SF each. Buildings will be constructed at two separate locations. Buildings will include ventilation, lighting, site improvements, utilities and necessary support.
- 11. REQUIREMENT: 300,000 SF ADEQUATE: 0 SUBSTANDARD: 0

 PROJECT: Construct war readiness material (WRM) storage warehouses. (New Mission)

REQUIREMENT: Storage facilities are required to support OPLAN 1002-95 for prepositioning and long term storage of WRM vehicle assets. These assets are a 1,600 vehicle fleet valued at \$42 million and must be ready for use by US Central Command (USCENTCOM) for contingency operations.

CURRENT SITUATION: Facilities in the host country are unavailable for adequate WRM storage and maintenance requirements. WRM assets moved into the region during operations Desert Shield/Storm are exposed to extremely high temperatures, sand, and wind. These weather conditions are causing accelerated deterioration of vehicle tires, gaskets, hoses, seats, paint finishes, etc. These vehicles are deteriorating at 15 percent per year and must be reconstituted and stored in country or returned to CONUS. CONUS storage and roundtrip transportation will exceed storage cost in host country. Four hundred and sixty C-141 sorties are required to move these materials one-way from CONUS. This airlift alternative does not meet the readiness or provide operational flexibility of OPLAN 1002-95 execution.

IMPACT IF NOT PROVIDED: The 1,600 vehicle fleet, which is valued at \$42 million will continue to deteriorate at a cost of \$6 million per year and no facilities will be available to maintain the combat capability and requirements of OPLAN 1002-95.

1. COMPONENT	P.V.	1996 MILITARY CONSTRUCTION	PPOJECT DATA	2. DATE
_	FI			
AIR FORCE		(computer generated	<u>.L</u>	
3. INSTALLAT	ON AND	LOCATION		
CLASSIFIED LO	CATION			
4. PROJECT T	TLE		5. 1	PROJECT NUMBER
		The standard of the standard o	1	HACC953022
WAR READINESS	MATER.	AL WAREHOUSES		INCOSSOE

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". This project does not qualify for Host Nation construction funding. A preliminary analysis of reasonable options for accomplishing this project (status quo, new construction) was done. It indicates that new construction is the only option that will meet mission requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

1. COMPONE	T		2. DATE
,	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	A	
AIR FORCE	(computer generated)		
3. INSTALL?	TION AND LOCATION		
CLASSIFIED	LOCATION		
4. PROJECT		5. PRO	JECT NUME
VAR READINE	SS MATERIAL WAREHOUSES	HAC	C953022
l2. SUPPLE	MENTAL DATA:		
a. Estir	ated Design Data:		
(1)	Status: a) Date Design Started		94 APR
	b) Parametric Cost Estimates used to develop control	oete	J4 AFK
	c) Percent Complete as of Jan 1995	USCS	3
	d) Date 35% Designed.		94 JUN
	· ·		95 JUN
•	e) Date Design Complete		95 JUN
	Basis:		
	a) Standard or Definitive Design -		NO
	b) Where Design Was Most Recently Used -		N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$0
	a) Production of Plans and Specifications		
	b) All Other Design Costs		2
	c) Total		10
	d) Contract		
	e) In-house		10
			٥٢ ٣
(4)	Construction Start		95 D
	nt associated with this project will be provide	d from	1
other appro	priations: N/A		

350

1. COMPONENT							2	. DA	ΓE	
1.	FY 1996 MILITA				PROGI	RAM				
AIR FORCE		uter o								
3. INSTALLATION	AND LOCATION		ŀ	DMMAND			5		EA CON	
				D STA					ST IND	EX
SPANGDAHLEM AIR				SIN					. 63	
6. PERSONNEL	PERMANE			UDENT	$\overline{}$		PORTE			
STRENGTH	OFF ENL			ENL	CIV				TOTA	
	94 325 3947					14		177		
b. End FY 2000	327 3886			46000	<u> </u>	14	62	177	5,1	.60
	7. INVE	NTORY	DATA	(\$000	1					
a. Total Acreage		ו 4.0 מי					1.	25,97	75	
	cal As Of: (30 SE						12	9,47		
	n Not let in inven n Requested In Thi		ram.					8,38		
	n Requested in ini n Included In Foll			am•	/FY 1	19971				
	ext Four Program Y		Og -		,	,		.2,85		l
g. Remaining Def	_						•	8,51		
h. Grand Total:	. 1010.10 , .						16	8,58		
	JESTED IN THIS PRO	GRAM:	FY 1	.996						
CATEGORY						COST	DES	IGN	STATU	s
CODE	PROJECT TITLE		S	COPE		(\$000)	sī	ART	CMP	L
			_						·	_
211-183 SOUND S	SUPPRESSOR SUPPORT	FAC		6,200	SF	600	FEE	94	NOV	94
211-183 SOUND S	SUPPRESSOR SUPPORT	FAC	1	3,100	SF	950	FEE	94	NOV	94
212-213 ADD TO	MISSILE MAINTENAN	CE		3,300	SF	930	FEE	94	JUL	94
SHOP										
721-312 DORMITO	PRY					5,900	-	94	MAY	95
				TOTAL						
_	ects: Included i							')		
· ·	AND ALTER WATER S		: 2	8,800	LF	3,400	1			
AND DI	STRIBUTION SYSTEM			moma r	. -	3 400	_			
Ob Butune Bust	Moneigal Di			TOTAL		3,400)			
	ects: Typical Pl					3,250	ì			
211-152 AIRCRAF				-		4,900				
	AND ALTER DORMITO	EY				2,350				ļ
	AND ALTER DORMITO			1,000		2,350				
	Major Functions:							ruadr	ons,	
	, and an A-10 squ					-			·- •	
	pollution and sa			defic.	ienci	.es:				
	•	- `	•							ĺ
a. Air pol	lution:							C)	
	ollution:							C)	
_	ional safety and	health	1:					C)	
d. Other E	nvironmental:							C)	
										ĺ
		•								1

1.	COMPONENT							2.	DATE
		FY	1996 MILIT	ARY CONSTRUCT	rion	PROJECT	DATA		
AI	R FORCE		(0	omputer gener	rate	d)			
			T CORMTON			DDO TROM	O T COL TO	-	•

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

SPANGDAHLEM AIR BASE, GERMANY DORMITORY

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

2.75.96U 721-312 VYHK930111A 5,900

9. COST ESTIMATES

3. COST 2011:8:12				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (90 PN)				4,864
DORMITORY	SF	32,000	150	(4,800)
AUTOMATIC SPRINKLER PROTECTION	SF	32,000	2	(64)
SUPPORTING FACILITIES	1		i	450
UTILITIES	LS			(90)
SITE IMPROVEMENTS	LS			(35)
PAVEMENTS	LS			(115)
DEMOLITION	SF	42,000	5	(210)
SUBTOTAL			i	5,314
CONTINGENCY (5%)			i	266
TOTAL CONTRACT COST			i	5,580
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				363
TOTAL REQUEST				5,943
TOTAL REQUEST (ROUNDED)	1		i	5,900
				İ
				<u> </u>
	ļ			İ

- 10. Description of Proposed Construction: Three-story facility with concrete foundations and floor slabs, masonry walls and roof. Includes room-bath-room modules, lounges, laundry rooms, storage rooms, and all supporting facilities. Demolish existing dormitories. Grade Mix: 90 E1-E4.
- 11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. A major Air Force objective is to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 90 personnel: 90 E1-E4, with a maximum utilization of 90 personnel. CURRENT SITUATION: There are currently not enough adequate dormitories to accommodate the unaccompanied enlisted personnel at this base. Existing substandard facilities do not provide semi-private baths and adequate noise attenuation to adequately house enlisted personnel. With the increase in manpower from the new wing, the shortfall will be even greater. Local rentals and utilities are so expensive enlisted personnel cannot afford to live off base. Demolish two existing substandard dormitories (42,000 sf).

IMPACT IF NOT PROVIDED: Substandard living conditions will persist and morale, productivity, and career satisfaction of the enlisted force will continue to be degraded.

ADDITIONAL: This project is not eligible for NATO funding. A

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	ON AND LOCATION AIR BASE, GERMANY	
4. PROJECT T		PROJECT NUMBER
DODMITORY		VYHK930111A

precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new barracks standard established by OSD. An economic analysis was prepared comparing the alternatives of new construction, alteration, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities. Cost for fire protection is shown separately since this new standard is not reflected in OSD approved unit cost factor for dormitories.

. COMPONI	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE		
	LATION AND LOCATION	
	EM AIR BASE, GERMANY	JECT NUMBER
. PROJECT	: TITLE 5. PRO	DECI NUMBER
ORMITORY	VYF	K930111A
	LEMENTAL DATA:	
	imated Design Data:	
(1)	Status:	04 777 01
	(a) Date Design Started(b) Parametric Cost Estimates used to develop costs	94 FEB 01 N
	(c) - Percent Complete as of Jan 1995	65%
	(d) Date 35% Designed.	94 JUN 15
	(e) Date Design Complete	95 MAY 15
(2)	Basis:	
	(a) Standard or Definitive Design -	
	(b) Where Design Was Most Recently Used -	
(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$:	(\$000
(0)	(a) Production of Plans and Specifications	141
	(b) All Other Design Costs	130
	(c) Total	271
	(d) Contract	141
	(e) In-house	130
(4)	Construction Start	96 FEB
	ment associated with this project will be provided from	n
ther app	ropriations: N/A	

									····		
1. COMPONENT		1006	WTT T#	\DV ===		m T C N	חחמי	27.M	2	. DAT	E
	FY	1996		ARY CO			PROGR	KAM	j		
AIR FORCE	N AND TO	CAMITO		outer o		MMAND				ARE	A CONST
3. INSTALLATIO	N AND LO	CATIC)IN		1	D STA	TES A	ATR	٦		T INDEX
VOGELWEH ANNEX	CEDMAN	v			1	S IN			1		63
6. PERSONNEL	, GERTIAN		ERMANE	ะพา		UDENT			PORTE		
STRENGTH	†	OFF		CIV	OFF		CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SE	- NO T	1	49	48				22	238		421
b. End FY 2000	- 1	1	66	52				22	238	63	442
D. Ella PI 2000				ENTORY	DATA	(\$000)			1	
a. Total Acrea	ge: (82)				<u> </u>				
b. Inventory T			•	EP 94)						42,97	4
c. Authorizati	on Not Y	et In	Inver	ntory:							0
d. Authorizati	on Reque	sted	In Thi	is Pro	gram:					2,60	00
e. Authorizati	on Inclu	ded I	n Foll	lowing	Progr	am:	(FY 1	1997)			0
f. Planned In	Next Fou	r Pro	gram 1	ears:		¢					0
g. Remaining D											0
h. Grand Total	:									45,57	4
8. PROJECTS RE	QUESTED	IN TH	IS PRO	GRAM:	FY]	.996					
CATEGORY								COST	_		STATUS
CODE	PROJE	CT TI	TLE		5	COPE		(\$000	$\frac{s}{s}$	TART	CMPL
740-884 CHILD	DEVELOP	MENT	CENTER	२		9,600 TOTAL	_	2,60		Y 93	AUG 95
9a. Future Pr	oiects:	Incl	uded i	in the	Follo	wing	Progr			7) NC	NE
9b. Future Pr	oiects:	Typi	cal Pl	Lanned	Next	Four	Years	5:			
10. Mission o	r Major	Funct	ions:	An a	nnex p	provid	ing n	nilita	ry fa	mily	
housing and co	mmunity	suppo	rt fac	ciliti	es in	the K	aiser	slaut	ern M	ilita	iry
Complex near t	he Ramst	ein A	ir Bas	se are	a						
11. Outstandi	ng pollu	tion	and sa	afety	(OSH)	defic	ienci	les:			
										,	,
-	ollution									(
	polluti		_ •	A	L .					(
_	ational			neart	n:					(
d. Other	Environ	menta	11:							`	•

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
		,	
VOGELWEH ANNEX, GE			OPMENT CENTER
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
2.75.96U	740-884	TYFR953523	2,600

9. COST ESTIMATE	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
CHILD DEVELOPMENT CENTER	SF	9,600	175	1,680
SUPPORTING FACILITIES				620
UTILITIES	LS			(355)
PAVEMENTS	SY	8,800	20	(175)
SITE IMPROVEMENTS	Ls			(90)
SUBTOTAL				2,300
CONTINGENCY (5%)	1	s .		115
TOTAL CONTRACT COST				2,415
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				157
TOTAL REQUEST		İ		2,572
TOTAL REQUEST (ROUNDED)				2,600
	1			

- 10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, masonry walls, roof system, fire protection, all utilities, and necessary support. Functional areas include reception area, multi-purpose child care rooms, restrooms, storage area, isolation room, office space, laundry room, mechanical room, kitchen, and playground areas.
- 11. REQUIREMENT: 118,115 SF ADEQUATE: 13,455 SF SUBSTANDARD: 35,001 SF PROJECT: Construct a child development center (CDC). (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and a developmental experience for dependent children aged six weeks to twelve years. This facility will provide for children up to age five—the most critical shortfall at Vogelweh. The facilities must provide a comfortable, clean, educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop—in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex—time, it is imperative that they have reliable child care available.

CURRENT SITUATION: The existing Child Development Center is adequate to accommodate a maximum of 258 children, and daily attendance at the center averages 250, or 97%. At the present time, 350 children are on the waiting list. This project will result in a facility which will serve a total of 120 children. The Kaiserslautern Military Community (KMC), which includes Ramstein Air Base and the Vogelweh Annex, receives child development services at both locations. The total requirement is based on

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	ION AND LOCATION	
4. PROJECT T		PROJECT NUMBER
CHILD DEVELO	PMENT CENTER	TYFR953523

the needs of the entire KMC area. Since the areas are separated geographically and have respective housing areas, CDC services are provided at both locations. Critical deficiencies are being corrected by this project and a companion FY94 MILCON project at Ramstein Air Base. An October 1991 inspection found that two of the three existing child development center facilities at Vogelweh did not meet safety and security standards for child care. The two facilities were built in 1953 and 1957. Both facilities will meet all current standards and requirements after base O&M renovation projects are completed. However, this will not satisfy the requirement for the Vogelweh/Ramstein community. The people on the waiting list currently rely on the local communities for their child care, which may be unlicensed and are generally more expensive. Financial hardship and scheduling difficulties are common, since local care providers' hours may not be consistent with shift or long working hours. The cost of CDC care ranges from \$44 to \$86 per week. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DoD civilians, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place children in unlicensed care in the local communities, or spouses will not be able to work. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. An economic analysis has been prepared comparing alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost-effective over the life of the project.

	ENT	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
R FORCE			7
		(computer generated) AND LOCATION	
1110111111	J		
		GERMANY	E DDO TEOM NUMBER
PROJECT	r TITLE	5	5. PROJECT NUMBER
ILD DEVI	ELOPME	NT CENTER	TYFR953523
. SUPPI	LEMENTA	AL DATA:	
a. Est	imated	Design Data:	
(1)	Stati	15:	
, ,	(a) I	Date Design Started	93 MAY 13
	(b) I	Parametric Cost Estimates used to develop o	osts Y
		Percent Complete as of Jan 1995 '	65%
		Date 35% Designed.	94 OCT 15
		Date Design Complete	95 AUG 01
(2)	Basis	z•	
(2)		s: Standard or Definitive Design -	YES
		Where Design Was Most Recently Used -	RAMSTEIN
(3)	Tot a	l Cost (c) = (a) + (b) or (d) + (e):	(\$000
(3)		Production of Plans and Specifications	156
		All Other Design Costs	150
		Notal	156
	,		156
		Contract	100
	(e) 1	In-house	56
(4)	Const	cruction Start	95 DEC
		•	
Fauin	ont or	especiated with this president will be president	d Europ
		ssociated with this project will be provide tions: N/A	d from
her appr			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			
her appı			

		om toki i	20001	. 7. 14		2. DAT	re			
FY 1996 MILITARY	CONSTRU er gener		KOGF	MAX						
AIR FORCE (comput 3. INSTALLATION AND LOCATION		OMMAND				5 ARE	EA CONS			
3. INSTALLATION AND LOCATION	1		מ פיתי	TD			T INDE			
ARAXOS RADIO RELAY STATION, GREECE		UNITED STATES AIR FORCES IN EUROPE					0.71			
5. PERSONNEL PERMANENT		TUDENTS			PORT					
	IV OFF	1	CIV	OFF	ENL	CIV	TOTAL			
1. As of 30 SEP 94 8 116	3	5.1.5				12	139			
b. End FY 2000 8 115	3					12	138			
7. INVENT		(\$000)				1 12	450			
a. Total Acreage: (1)		(4000)								
o. Inventory Total As Of: (30 SEP	94)					84	18			
a. Authorization Not Yet In Invento						•	0			
Authorization Requested In This	_					1,95	•			
a. Authorization Included In Follow		ram: (FY 1	997)		_,_,	0			
E. Planned In Next Four Program Yea	-			,			0			
g. Remaining Deficiency:							0			
n. Grand Total:						2,79	8			
B. PROJECTS REQUESTED IN THIS PROGR	AM: FY	1996								
CATEGORY				COST	D	ESIGN	STATUS			
CODE PROJECT TITLE	;	SCOPE		(\$000) -:	START	CMPL			
	•			-						
21-312 DORMITORY		40	PN	1,95	0 M	AY 94	SEP 95			
		TOTAL:	-	1,95	0					
a. Future Projects: Included in	the Foll	owing F	rogr	am (F	Y 199	97) NO	NE			
b. Future Projects: Typical Plan										
0. Mission or Major Functions: A	radio re	elay st	atio	n.						
.1. Outstanding pollution and safe	ty (OSH)	defici	enci	es:						
a. Air pollution:						0				
b. Water pollution:						0				
c. Occupational safety and hea	alth					0	l			
	u					-				
d. Other Environmental:	41 0					0	ı			
						-	ı			
	410					-	ı			
	4.10					-				
						-				
-						-				
-						-				
-						-				
-						-				
-						-				
-						-				
-						-				
-						-				
						-				
-						-				
						-				
						-				
						-				
						-				
						-				
						-				
-						-				

1. COMPONENT					***************************************	[2	. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated)							
AIR FORCE							
3. INSTALLATI	ON ANI	LOCATION			4. PROJECT	TITLE	
ARAXOS RADIO	RELAY	SITE, GREECE	}		DORMITORY		
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7. PROJ	JECT NUMBER	8. PROJECT	COST(\$000)
2.75.96U		721-312		AMGO	963002		1,950
-		9.	COST	ESTIMA	TES		

9. COST ESTIMATE	, 3			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
DORMITORY (40 PN)	SF	14,200	70	994
SUPPORTING FACILITIES				750
UTILITIES	LS			(275)
PAVEMENTS	SY	10,000	30	(300)
SITE IMPROVEMENTS	LS			(175)
SUBTOTAL	j			1,744
CONTINGENCY (5%)				<u>87</u>
TOTAL CONTRACT COST				1,831
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				<u> 119</u>
TOTAL REQUEST				1,950
TOTAL REQUEST (ROUNDED)	1			1,950
	1			

- Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping and fire protection.
- Air Conditioning: 85 Tons. Grade Mix: 40 E1-E4.
- 11. REQUIREMENT: As required.

PROJECT: Construct dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment project. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 40 personnel: 40 E1-E4, with an intended utilization of 40 personnel.

CURRENT SITUATION: All personnel assigned to Araxos serve 12 month unaccompanied tours and are not authorized to ship automobiles. The existing dormitories are substandard and accommodate less than half of the base personnel. All of the existing dormitories are failing structurally, and the plumbing systems are no longer maintainable. Enlisted personnel, who do not reside on base, live several miles from the base in inadequate quarters. These personnel are totally dependent on a base bus service for transportation, and very few are able to have telephones in their apartments. This is an unacceptable situation for an installation with 24 hour operations and a short-notice recall mission requirement. Response times are unacceptably long because the bus must visit each member, first, to notify him of the recall and, second, to pick him up and take him to

1. COMPONENT	2. DATE
FY 1996 MILITARY CO	ONSTRUCTION PROJECT DATA
AIR FORCE (compute	er generated)
3. INSTALLATION AND LOCATION	
ARAXOS RADIO RELAY SITE, GREECE	
4. PROJECT TITLE	5. PROJECT NUMBER
DORMITORY	AMGG963002

the base. An additional concern is the terrorist threat to those individuals residing off base.

IMPACT IF NOT PROVIDED: Response times during contingencies will be unacceptably long, resulting in critical mission impairment. Personnel will continue to reside in unacceptable quarters resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Most personnel will continue to be isolated in unsatisfactory quarters off-base.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. A preliminary analysis of reasonable options for accomplishing this project (status quo, leasing, new construction) was done. It indicates new construction is the only option that will meet the requirements. Because of this, a full economic analysis was not performed. Fire Protection Systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

	FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
IR FORCE	(computer generated)	
	ATION AND LOCATION	
	OIO RELAY SITE, GREECE	
. PROJECT	TITLE	5. PROJECT NUMBER
ORMITORY		AMGG963002
2. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	
(1)	Status:	
\ - /	(a) Date Design Started	94 MAY 01
	(b) Parametric Cost Estimates used to develop	costs Y
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 OCT 01
	(e) Date Design Complete	95 SEP 01
(2)	Basis:	
	(a) Standard or Definitive Design -	
	(b) Where Design Was Most Recently Used -	
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
	(a) Production of Plans and Specifications	117
	(b) All Other Design Costs	100
	(c) Total	217
	(d) Contract	217
	(e) In-house	
(4)	Construction Start	95 DEC
. Equipm	ment associated with this project will be provid	led from
	opriations: N/A	
ther appr		

1. COMPONENT					· · · · · · · · · · · · · · · · · · ·					2. DA	TE	
	FY	1996	MILIT	ARY CO	NSTRU	CTION	PROGI	RAM				
AIR FORCE		,	(com	puter (genera	ited)						
3. INSTALLATI	ON AND LO	CATIO	N		4. CC	DMMAND				5. AR		
					UNITE	D STA		COST INDEX				
AVIANO AIR BA	SE, ITALY					S IN					.22	
6. PERSONNEL	_		PERMAN	1		UDENT	1		POR		↓	
STRENGTH	_		ENL	CIV	OFF	ENL	CIV		ENI		+	
a. As of 30 S		299			1 1			33	-	54 2	1	88
b. End FY 200	0		2837			40000		33	:	54 2	3,	90
				ENTORY	DATA	(\$000	<u>) </u>			-4		
a. Total Acre			138)	- D O 4 \						E 2 1	^ 2	
b. Inventory										53,1 2,1		
c. Authorizat d. Authorizat					aram.					2,1		
d. Authorizat e. Authorizat						·am•	(FV 1	19971		2,3	0	
e. Authorizat f. Planned In					LLOGI	: C.III •	,	,		1,6		
g. Remaining			gram .	icurs.						29,7		
h. Grand Tota		· y •	-							88,9		
B. PROJECTS R		IN TH	IIS PRO	OGRAM:	FY J	996						
CATEGORY	5055155							COST	· [ESIGN	STAT	ู่บร
CODE	PROJE	CT TI	TLE		S	COPE		(\$000	_	START		PL
					-				_			
141-489 SQUA	DRON OPER	OITAS	S FAC	LITY		6,000	SF	95	0 3	JUN 94	MAY	9!
217-742 COMM	UNICATION	IS MAI	NTENAI	NCE		8,800	SF	1,40	0 3	JUN 94	MAY	9!
FAC	ILITY						_					
						TOTAL		2,35				
9a. Future P									Y 19	97) N	ONE	
9b. Future P	rojects:	Typi	cal Pl	Lanned	Next	Four Y	Years					
842-245 UPGR							LS	1,60	0			
	TRIBUTION											
10. Mission											a	
flying wing w						s the	mult	iserv	ice/			
nultinational												
ll. Outstand	ing pollu	tion	and sa	arety ((05H)	delic	renci	Les:				
. 7:	oollution									2,90	0	
	pollution polluti									3,80		
	polluci pational		v and	heal+h	٠.					1,50		
-	Environ		_		••					1,70		
a. Other	. DIIVEE OI	c11 c a	· - •							_,		
			•									

1. COMPONENT											2	. DATE	
	FY	' 19	96 MILITA	ARY C	CRUC	ruci	rion	PRO	JECT	DATA	4		
AIR FORCE	FORCE (computer generated)												
3. INSTALLATION AND LOCATION 4. PROJECT TITLE COMMUNICATIONS MAINTENANCE AVIANO AIR BASE, ITALY FACILITY													
5. PROGRAM EI				CODE	7.	PROJ	JECT	NUI	1BER	8. I	PROJECT	COST(\$00	00)
2.75.96U			217-742			ASH	E953	8052	Α			1,400	
			9.	. cos	T ES	TIM	ATES						
											UNIT	COST	
		TΨ	'EM				1	II/M	OHAN	דידיץ	COST	(\$000)	

			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
COMMUNICATIONS MAINTENANCE FACILITY	SF	8,800	102	897
PREWIRED WORK STATIONS	LS			(897)
SUPPORTING FACILITIES				350
UTILITIES	LS			(150)
COMMUNICATIONS SUPPORT	LS	·		(55)
PAVEMENTS	LS			(50)
FIRE PROTECTION SYSTEMS	LS	•		(30)
SITE IMPROVEMENTS	LS			(45)
TEMPEST SHIELD	LS			(20)
SUBTOTAL				1,247
CONTINGENCY (5%)				62
TOTAL CONTRACT COST				1,309
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				85
TOTAL REQUEST				1,394
TOTAL REQUEST (ROUNDED)				1,400
	}			

10. Description of Proposed Construction: Provide load bearing walls and steel framing; roof; reinforced spread footings, designed to seismic zone 2; brick exterior facing; roll-up doors; slab on grade. Special electrical power requirements, special secure maintenance room; and all utilities, latrines and administration offices. Air Conditioning: 50 Tons.

11. REQUIREMENT: 8,800 SF ADEQUATE: 0 SUBSTANDARD: 0

PROJECT: Construct a communications maintenance facility. (New Mission)
REQUIREMENT: This facility is required to accommodate the move of the 603
Air Control Squadron (ACS) from Sembach AB, Germany, to Aviano AB. The
squadron maintains 1500-2000 pieces of communications/electronic equipment
per month. Shop space is required for the centralized field repair of ACS
CE equipment, including a controlled and secure environment to inspect,
maintain and repair C/E equipment. Space is also required for the
following activities: computer maintenance, secure communications and
radar maintenance, technical and material control, tool and equipment
storage, maintenance management administration, restrooms, and a
mechanical/electrical equipment room.

CURRENT SITUATION: The 603 ACS move to Aviano Air Base from Sembach Air Base, Germany, was completed in July 1994. The ACS requires a TEMPEST secure facility for maintenance of its extensive stock of communications and radar equipment, and it requires administrative and vehicle maintenance space. Relocatable facilities and existing on-base facilities are available to support most of these functions. However, they cannot be used for the maintenance of the communications and radar equipment because they do not meet the security requirements. As a temporary solution, the unit will have to continue to use wartime mobile maintenance vehicles for

1. COMPONENT		2. D	ATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	İ	
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION	***************************************		
AVIANO AIR BASE, ITALY			
4. PROJECT TITLE	5.	PROJECT	NUMBER
COMMUNICATIONS MAINTENANCE FACILITY		ASHE9538	305A

the maintenance and tests. Also, the relocatable facility will not have any infrastructure support -- running water, bathrooms, or foundations. IMPACT IF NOT PROVIDED: The ACS will have to continue to operate out of their wartime mobile maintenance units and in inadequate temporary buildings. When the ACS unit is given a mobility tasker supporting contingencies such as Operation Deny Flight, they will not be able to perform their base mission. Additionally, the wear and tear of 24 hours per day and 7 days per week operations on their wartime assets is limiting availability of these assets to support wartime taskers. All assets needed for deployments will be either unavailable or out of commission. ADDITIONAL: All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that criteria change for these types of facilities. This project does not meet the criteria/scope specified in Part II of MILHNBK 1190, "Facility Planning and Design Guide."

ASHE953805A

1 COMPONI	avo	2 DAME
1. COMPONI	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	2. DATE
AIR FORCE		
3. INSTAL	LATION AND LOCATION	
4. PROJECT	R BASE, ITALY	5. PROJECT NUMBER
4. PRODEC	TITUE	J. PRODECT NOMBER
COMMUNICAT	TIONS MAINTENANCE FACILITY	ASHE953805A
12. SUPPI	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	94 JUN 17
	(b) Parametric Cost Estimates used to develop c	osts Y
l İ	(c) Percent Complete as of Jan 1995	30%
	(d) Date 35% Designed.	95 FEB 10
	(e) Date Design Complete	95 MAY 01
(2)	Basis:	
(-,	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (s) = (a) + (b) or (d) + (o).	(6000)
(3)	Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications	(\$000) 80
	(b) All Other Design Costs	40
	(c) Total	120
	(d) Contract	120
	(e) In-house	120
(4)	Construction Start	95 NOV
(-)	Construction Start	35 NOV
b. Equipm	ment associated with this project will be provide	d from
otner appr	opriations: N/A	

							10		170		
1. COMPONENT							2	. DAI	'E		
	FY 1996 MILITA				PROGE	(AM					
AIR FORCE		outer o				 		N D E	A CONST		
3. INSTALLATION AN	D LOCATION			DIAMMO	mna 1	TD	[3		T INDEX		
			UNITED STATES AIR					1.22			
GHEDI RADIO RELAY			FORCES IN EUROPE STUDENTS SUPPOR								
6. PERSONNEL	PERMANE					OFF		CIV	TOTAL		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	124		
a. As of 30 SEP 94		2							124		
b. End FY 2000	8 114	2	D 3 (F)	(6000				Ll	124		
	7. INVE	ENTORY	DATA	(\$000)						
a. Total Acreage:	(1)	TD 041						99	11		
b. Inventory Total	As Of: (30 SE	SP 94)						22	0		
c. Authorization N	ot Yet In Inver	itory:						1 45	•		
d. Authorization R	equested In Thi	s Pro	gram:		, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	0071		1,45			
e. Authorization I			Progr	am:	(F. X 1	.997)			0		
f. Planned In Next		(ears:							0		
g. Remaining Defic	iency:							2 44	•		
h. Grand Total:		202214	70.7	006				2,44	1		
8. PROJECTS REQUES	TED IN THIS PRO	GRAM:	FY 1	.990		cost	ישת	ETCN	STATUS		
CATEGORY	DOTTO MINIT			COPE		(\$000	==:	FART	CMPL		
CODE	ROJECT TITLE		=	COPE		13000	1 3	IAKI	CMFD		
TOI DIE DODYTMODY				22	PN	1 45	O MA	7 94	SEP 95		
721-312 DORMITORY				TOTAL	_	1,45		. , ,	551 75		
9a. Future Projec	ts: Included i	n the	Follo					7) NC	NE		
9b. Future Project	ts: Typical Pl	anned	Next	Four	Years	.:		, , _ =, ~			
	jor Functions:										
	ollution and sa					es:					
			,								
a. Air pollu	tion:							C)		
b. Water pol								C)		
	nal safety and	health	n:					C)		
d. Other Env								C)		
		5									
1											
·											
<u> </u>											

,											
1. COMPONENT								2	2.	DATE	
	F	Y 1996 MILITARY (CONSTRUC	OIT	N PR	OJECT	DATA	1			
AIR FORCE		(comput	er gene	rate	ed)						
3. INSTALLATI	ON ANI	LOCATION		4.	PRO	JECT I	ITLE	2			
GHEDI RADIO R	GHEDI RADIO RELAY SITE, ITALY D										
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJEC					וטא ז	MBER	8. F	ROJECI	C	OST(\$000)	
2.75.960		721-312	HWQ	J96:	3003					1,450	
9. COST ESTIMATES											
								UNIT		COST	
		ITEM			מ/ט	QUANTITY COST		COST		(\$000)	
DORMITORY (22	PN)				SF	7,8	00	13	30	1,014	
SUPPORTING FA	CILIT	IES								265	
UTILITIES					LS					(120)	
PAVEMENTS		;			LS					(65)	
SITE IMPROV	EMENT	S			LS					(80)	
SUBTOTAL										1,279	
CONTINGENCY (5%)									64	
TOTAL CONTRAC	T COS	r ·								1,343	
SUPERVISION,	INSPE	CTION AND OVERHER	AD (6.5%)						87	
TOTAL REQUEST	?									1,430	
TOTAL REQUEST	(ROUI	NDED)								1,450	
1					I		1				

10. Description of Proposed Construction: Reinforced concrete foundation and floor slabs, masonry walls and pitched tile roof. Includes room-bath-room modules, laundries, storage and lounge areas and all utilities, HVAC, landscaping, and fire protection.

Air Conditioning: 45 Tons. Grade Mix: 22 E1-E4.

11. REQUIREMENT: As required.

PROJECT: Construct a dormitory. (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. It is a major Air Force objective to provide unaccompanied enlisted personnel with housing conducive to their proper rest, relaxation and personal well-being. Properly designed and furnished quarters providing some degree of individual privacy are essential to the successful accomplishment of the increasingly complicated and important jobs these people must perform. Estimated intended utilization is 22 personnel: 22 E1-E4, with a maximum utilization of 22 personnel. CURRENT SITUATION: There is currently no enlisted housing on base. All personnel currently live off base. Airmen reside in a government leased facility which is approximately a 20 minute drive from the base. increases the response time during emergencies and creates a hardship on the unaccompanied airmen, particulary those on their first assignment. IMPACT IF NOT PROVIDED: Adequate living quarters will continue to be unavailable resulting in degradation of morale, productivity, and career satisfaction for unaccompanied enlisted personnel. Personnel will continue to reside off base in increasingly expensive leased quarters. The government is currently spending \$66,540 to lease the facility. However, the lease will be renegotiated this year and is expected to escalate dramatically. Response times to real world contingencies will be

	1. COMPONENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
	AIR FORCE	(computer generated)	
	3. INSTALLAT	ON AND LOCATION	
	GHEDI RADIO E	RELAY SITE, ITALY	
	4. PROJECT T	TLE 5.	PROJECT NUMBER
i	DORMITORY		нwQJ963003

inadequate.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued in the event this project becomes eligible in the future. This project meets the criteria/scope specified in the new uniform barracks standard established by OSD. Fire protection systems for this project meet new standards established in MIL-HNBK 1008B, Fire Protection for Facilities, published 15 January 1994. No additional cost for fire protection was included in this project since it is less than three stories with exterior entrances.

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
AIR FORCE	(computer generated)	
	TION AND LOCATION	
SHEDI RADIO	RELAY SITE, ITALY	
. PROJECT		. PROJECT NUMBER
ORMITORY		НWQJ963003
12. SUPPLE	VIDVIDAT DAMA.	
. SUPPLE	MENTAL DATA:	
a. Estim	ated Design Data:	
(1)	status:	
(a) Date Design Started	94 MAY 01
	b) Parametric Cost Estimates used to develop co	
	c) Percent Complete as of Jan 1995	35%
	d) Date 35% Designed.	94 OCT 01
, (e) Date Design Complete	95 SEP 01
(2)	Basis:	
	a) Standard or Definitive Design -	
	b) Where Design Was Most Recently Used -	
(3)	Tatal Cast (a) = (a) + (b) or (d) + (a).	(\$000
	<pre>Total Cost (c) = (a) + (b) or (d) + (e): a) Production of Plans and Specifications</pre>	(\$000
	b) All Other Design Costs	100
•	c) Total	187
•	d) Contract	187
	e) In-house	
(4)	Construction Start	95 DEC
(4)	Sonsciuction Beart	75 880
4F	nt associated with this project will be provided priations: N/A	from
	·	

1. COMPONENT	1006 NTI IM	NDV GO	NOMP!!	TON.	DDOCE	7 M		2. DA	TE.	
	1996 MILITA				PROGE	MAN				
AIR FORCE		puter o	T					5 ADI	TA CONS	
3. INSTALLATION AND L		4. COMMAND				- 1	5. AREA CONS			
e .			UNITED STATES AIR							
ANKARA AIR STATION, T			FORCES IN EUROPE					1.00		
5. PERSONNEL	PERMANI	,	 	UDENT			PORT			
STRENGTH	OFF ENL		OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 94	8 12	4							2	
. End FY 2000	8 10	4			<u> </u>					
	7. INV	ENTORY	DATA	(\$000)					
. Total Acreage: (8)									
. Inventory Total As	Of: (30 SI	EP 94)						1,36	0	
. Authorization Not								*	0	
. Authorization Requ			gram:					7,00	00	
. Authorization Incl				am:	(FY 1	9971		•	0	
. Planned In Next Fo			9-		,	, ,			0	
	_	ieurs.							0	
. Remaining Deficien	cy:							8,36	· ,	
. Grand Total:		00001/	1737 1	006				0,30		
. PROJECTS REQUESTED	IN THIS PRO	OGRAM:	FX 1	.990		000		BOTON	CM N MILE	
ATEGORY			_			COST			STATUS	
<u>CODE</u> <u>PROJ</u>	ECT TITLE		2	COPE		(\$000	<u>u</u> s	START	CMPI	
00-000 LONG PERIOD	SEISMIC ARRA	AY		7	EA	3,00			AUG 9	
00-000 SHORT PERIOD	SEISMIC ARE	RAY		7	EA _	4,00	<u>0</u> J	JL 94	AUG 9	
				TOTAL	:	7,00	0			
a. Future Projects:	Included	in the	Follo	wing :	Progr	am (F	Y 199	97) NC	NE	
b. Future Projects:										
10. Mission or Major							the I	J S		
ogistics Group (TUSL								-		
communications sites.	oo, neauquar	LULES I		y						
					:		.			
1 0			(OCH)	dofic						
1. Outstanding poll	ucion and se	arety	(OSH)	defic	16ucı	.es:				
		arety	(OSH)	defic	1enc1	.es:		,		
a. Air pollutio	n:	arety	(OSH)	defic	1enc1	.es:		C		
a. Air pollutiob. Water pollut	n: ion:			defic	ienci	.es:		c)	
a. Air pollutio	n: ion:			defic	ienci	es:		_)	
a. Air pollutiob. Water pollut	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	
a. Air pollutiob. Water pollutc. Occupational	n: ion: safety and			defic	ienci	es:		c)	

1. COMPONENT			2. DATE
FY	1996 MILITARY CO	ONSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT T	TITLE
ANKARA AIR STATION,	TURKEY	LONG PERIOD	SEISMIC ARRAY
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)
3.13.24	100-000	ANKR963001	3,000

9. COST ESTIMATES

	T		UNIT	COST
ITEM	TO/W	QUANTITY	COST	(\$000)
LONG PERIOD SEISMIC ARRAY ELEMENTS	1			1,068
REMOTE OPERATIONS FACILITIES	SF	700	76	(53)
BOREHOLES	EA	7	145,000	(1,015)
SUPPORTING FACILITIES				1,625
ANTENNA TOWER - 40 FT	EA	6	50,000	(300)
ANTENNA TOWER - 80 FT	EA	1	80,000	(80)
ELECTRICAL SUPPORT	LS			(500)
ACCESS ROADS	M2	4,800	30	(145)
SITE IMPROVEMENTS	LS			(100)
EXPATRIATE LAND	LS			(500)
SUBTOTAL				2,693
CONTINGENCY (5%)		[135
TOTAL CONTRACT COST				2,828
SUPERVISION, INSPECTION AND OVERHEAD (6.5%)				184
TOTAL REQUEST				3,012
TOTAL REQUEST (ROUNDED)	1	ł		3,000

10. Description of Proposed Construction: Drill seven long period (LP) boreholes and encase to a depth of 220 feet. Construct seven 100 SF underground remote operations facilities to house seismic equipment Provide associated antenna towers to house data transmission equipment. Includes gravel access roads, electrical service and fencing.

11. REQUIREMENT: 7 EA ADEQUATE: O SUBSTANDARD: PROJECT: Construct Long Period Seismic Array. (Current Mission) REQUIREMENT: Project provides facilities for the installation of seismic instruments used to transmit continual seismic data transmission using data link. The long period array focuses on seismic events which propagate horizontally. Includes the installation of seven boreholes to house sensitive LP seismic array elements. Each of the new seven array elements will be positioned approximately 20 kilometers from the central recording building located at Belbasi, near Ankara Turkey to form a radial with seven legs. The seismic array is required in direct support of the Air Force Technical Applications Center requirement to monitor provisions of "Safeguard D of the limited Nuclear Test Ban Treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Major tasking is verification of subsurface disturbances and to determine if the disturbance was natural or man-made. The Belbasi location remains extremely critical in the performance of this assigned tasking. CURRENT SITUATION: The Belbasi Seismic Research Station was established in the mid-1950's. Cultural encroachment and construction within the existing array has decreased the detection capability of the array by approximately 50%. This reduced data accumulation capability means the loss of critical information. Only one seismometer is available on site since all others have been rendered useless due to encroachment.

•	1. COMPONENT				2. D	ATE
		FY	1996 MILITARY CONSTRUCTION PROJECT DATA	١		
	AIR FORCE		(computer generated)			
•	3. INSTALLATI	ON AND	LOCATION			
	ANKARA AIR ST	ATION,	TURKEY			
-	4. PROJECT TI		5	. PRO	JECT	NUMBER
	LONG PERIOD S	EISMIC	ARRAY	ANI	(R963)	001

of Ankara has grown by a factor of four since the original array system became operational and increased congestion and noise levels will only get worse. In fact, additional encroachment has been experienced due to the construction of a new Turkish Military Academy within the adjacent compound area.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to execute this project will eliminate the seismic data sharing arrangement established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it will eliminate a strategic vantage point providing surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2 "Standard Facility Requirements." This project is not eligible for NATO funding.

		FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
	ORCE	(computer generated)		
. IN	STALL	ATION AND LOCATION		
ממעות	א א דג	STATION, TURKEY		
		TITLE	5. PROS	ECT NUMBER
ONG	PERIC	DD SEISMIC ARRAY	ANKI	1963001
.2.	SUPPI	EMENTAL DATA:		
a.	Esti	mated Design Data:		
	(1)	Status:		
	• •	(a) Date Design Started		94 JUL 15
		(b) Parametric Cost Estimates used to devel	op costs	N
		(c) Percent Complete as of Jan 1995		15%
		(d) Date 35% Designed.		95 MAR 31 95 AUG 31
		(e) Date Design Complete		95 AUG 31
	(2)	Basis:		
	(-)	(a) Standard or Definitive Design -		NO
		(b) Where Design Was Most Recently Used -		N/A
	(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000
	(0)	(a) Production of Plans and Specifications		52
		(b) All Other Design Costs		105
		(c) Total		157
		(d) Contract		157
		(e) In-house		
	(4)	Construction Start		96 MAR
	· · · · · · · · · · · · · · · · · · ·	ment associated with this project will be pro	ovided from	
		ropriations: N/A		
			•	

										2.	DATE	
1. COMPONENT	ርጥT O	אם א	OJECT	מדאמ	Α .		-					
	FY	1996 MILITARY					OOLCI	<i>D</i>	•			
AIR FORCE			ute	er gen								
3. INSTALLATION AND LOCATION 4.							JECT 1	LLTTI	Ľ			
ANKARA AIR FORCE BASE, TURKEY SHORT PERIOD SEISMIC ARRAY												
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJEC						T NU	MBER	8. 1	PROJEC	CT (COST (\$000)
								*				
3.13.24		100-000		AN	KR96	3002					4,00	0
		9. C	osi	r ESTI	MATE	S						
								UNIT		COST		
		ITEM				U/M	QUANT	TITY COST		(\$000)		
SHORT PERIOD	SEISM	C ARRAY										668
		FACILITIES				SF	7	700		76	(53)
		ATIONS FACILITY				SF]]	100] 1	00	(10)
BOREHOLES (EA		6	75,0	000	(450)
BOREHOLES (EA		1	155,0	000	. (155)
SUPPORTING FA		· ·				ĺ					2	, 905 ·
ELECTRICAL						Ls	,					, 550)
						EA	'	7	50,7	114	(-	355):
MICROWAVE/A						LS		•	55,7	•	,	700)
		IMPROVEMENTS				LS	1					300)
EXPATRIATE	LAND					LPS					'_	
SUBTOTAL						1	1				3	,573

10. Description of Proposed Construction: Drill six new short period (SP) boreholes and encase. Drill one new broadband borehole and encase. Construct seven 100 SF underground remote operations facilities to house seismic equipment and a 100 SF central communications facility. Provide associated communications towers. Includes required access roads, electrical service and fencing.

11. REQUIREMENT: 7 EA ADEQUATE: 0 SUBSTANDARD: 7 EA PROJECT: Construct Short Period Array. (Current Mission) REQUIREMENT: Provides the facilities for the installatio

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

REQUIREMENT: Provides the facilities for the installation of seismic instruments for continual seismic data transmission using radio data link. The short period array focuses on seismic events which propagate vertically. Includes the installation of six boreholes to house sensitive seismic array elements. Each of the six array elements will be positioned 2 kilometers from the central recording building located in Keskin, Turkey to form a radial with six legs. Also, installation of one borehole to house broadband seismic elements will be provided. This seismic array is required in direct support of the Air Force Technical Applications Center (AFTAC) requirement to monitor provisions of "Safeguard D of the Limited Nuclear Test Ban treaty of 1963" and the upcoming taskings associated with the Comprehensive Test Ban Treaty. Improved mission capability will also be achieved by providing seismic data with adequate signal-to-noise ration and installation of digital equipment with wider bandwith and greater dynamic range.

CURRENT SITUATION: Seismic data is currently being collected through an existing short period array near Ankara, Turkey; however, the size and position of this array is ineffective and severely limits the amount of useful information that can be obtained. Furthermore, the city of Ankara

179

244

3,752

3,996

4,000

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

TOTAL REQUEST (ROUNDED)

1. COMPONENT			2. DA	TE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	ŀ	
AIR FORCE	(computer generated)			
	ORCE BASE, TURKEY			
		T #	PROJECT	MUMBED
4. PROJECT T	[TLE	3.	PROJECT	NUMBER
SHORT PERIOD	SEISMIC ARRAY		ANKR9630	02

has grown by a factor of four since this system became operational as background noise from cultural encroachment has reduced the collection capability by 50 percent. Construction at the nearby Turkish Military Academy, adjoining residential area and a nearby quarry are also reducing the effectiveness of the research station. To avoid this encroachment, AFTAC found it necessary to reduce the instrumentation from 16 SP seismometers to just 7 to eliminate the high noise locations. Additionally, the data transmission poles and cabling had to be relocated due to construction in the area thus further reducing the overall capability of the system.

IMPACT IF NOT PROVIDED: Continued encroachment will further degrade seismic operations. Mission shut down will be a "Show-stopper" for AFTAC's global network of nuclear monitoring responsibilities. Failure to complete this project will eliminate the seismic data sharing arrangement currently established with the host nation. Also, it would preclude Turkey from being added to the ranks of the Comprehensive Test Ban Treaty monitoring participants. Finally, it would eliminate a strategic vantage point to provide surveillance of neighboring countries which desire to develop or expand nuclear weapons capabilities.

ADDITIONAL: A preliminary analysis of reasonable options for accomplishing this project was done. It indicates there is only one option that will meet operational requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide." However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements." This project is not eligible for NATO funding.

. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
IR FORCE	(computer generated)	`
	ION AND LOCATION	
. INSTREBRI	TON AND LOCATION	
	ORCE BASE, TURKEY	
. PROJECT T	ITLE	. PROJECT NUMBER
HORT PERIOD	SEISMIC ARRAY	ANKR963002
HORT TERTOD	DIDITO INTAIN	
2. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
\ - /	tatus:	_
) Date Design Started	94 JUL 15
	Parametric Cost Estimates used to develop co	
	Percent Complete as of Jan 1995	15% 95 MAR 31
,) Date 35% Designed.	95 MAR 31
(e) Date Design Complete	75 NOG 5.
(2) B		
(a) Standard or Definitive Design -	NO
(b	Where Design Was Most Recently Used -	И/А
(3) T	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000
(a		83
(b	All Other Design Costs	7:
(c	Total	156
•	Contract	156
(е	In-house	
(4) C	onstruction Start	96 MAF
	associated with this project will be provided	from
. Equipmen		
. Equipment ther approp		

1. COMPONENT									2	. DAT	Έ
	FY	1996				TION F	ROGF	MAS			
AIR FORCE			(comp	outer o							
. INSTALLAT	ON AND LO	CATIO	N			DINAMM			5		A CONST
						D STAT					T INDEX
NCIRLIK AIR	BASE, TUR	KEY				S IN F					.00
. PERSONNEL		E	ERMANI	ENT	S	UDENTS	3	SUI	PORTE		-
STRENGTH	†	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30	SEP 94	210	1968	321				321	1290	188	4,298
. End FY 200	1		1906	319	1			321	1290	188	4,232
J. Elia II 20	,,,				DATA	(\$000)					
. Total Acre	eage: (171)								
. Inventory	Total Ac			EP 941					1	98,55	59
. Inventory . Authoriza	lucal no	or.	Tnve	ntory:						2,40	00
d. Authoriza d. Authoriza	cion Not i		To The	ic Dro	aram:					4,50	
d. Authoriza e. Authoriza	cion Reque	ssceu	IN EON	lowing	Prog	cam:	FY '	19971		1,80	
. Authoriza	tion inclu	iaea .	LII FOI.	roare	rrog.	i	(4,45	,
f. Planned I			ogram .	iears.						7,2	
g. Remaining		:y:	-						2	18,9	
n. Grand Tot	al:			000011	БV	1996				. 20 / 5 .	
B. PROJECTS	REQUESTED	IN T	HIS PRO	OGRAM:	rı.	1990		cos'	יי ה	STON	STATUS
CATEGORY										TART	CMPL
CODE	PROJE	CT T	ITLE		-	SCOPE		(\$00	<u> </u>	HALL	CMF
								3 6	00 77	N 04	AUG 9
740-884 CHI	LD DEVELOR	PMENT	CENTE	R		18,000		1,6		AN 94 AR 94	
831-165 UPG	RADE SEWAG	GE TR	EATMEN	T PLAN	T		LS	2,9		AR 94	AUG 3
						TOTAL		4,5			
9a. Future	Projects:	Inc	luded	in the	Foll	owing	Prog	ram (FY 195	9/)	
740-674 ADD	TO AND A	LTER	PHYSIC	AL		16,100	SF	1,8	00		
FI	TNESS CENT	rer									
						TOTAL		1,8	00		
9b. Future	Projects:	Тур	ical P	lanned	Next	Four	Year	s:			
730-833 SEC	URITY POL	ICE C	ENTRAL			11,600	SF	2,9	50		
co	NTROL										
750-000 REC	REATION C	OMPLE	X				LS	1,5			
10 Mission	or Major	Func	tions:	A wi	ng wi	th no	perm	anent	ly as	signe	d
force struct	ure respon	nsibl	e for	region	nal lo	gistic	s in	Turk	ey an	a con	mand
and control	for deplo	ved f	orces.	As a	a comb	ined U	S/Tu	rkisn	comm	on ae	Tense
and control facility, In	cirlik su	nnort	s a co	mposit	e win	a (pro	visi	onal)	with	vari	.ous
types of air	CILITY SO	-mul+	inatio	mal fo	rces	engage	d in	PROV	IDE C	OMFOR	T AND
		marc	THACIC	/!!al 10	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,						
SOUTHERN WAT	ding poll			o fotu	(OCH)	defic	ienc	ies:			
11. Outstan	ging poir	ution	anus	arecy	(0311)	derre					
											0
	pollutio									2,10	-
	er pollut				. 1.					2,1	0
	cupational			neal	cn:						0
d. Oth	ner Enviro	nment	al:								J
				•							

	1. COMPONENT							2. DATE
		FY	. 1996 MILITA	ARY CON	STRUC	TION PROJECT		
	AIR FORCE			omputer				
	3. INSTALLATI	ON AND	LOCATION			4. PROJECT	TITLE	
	INCIRLIK AIR	BASE,	TURKEY			CHILD DEVEL	OPMENT CEN	TER
	5. PROGRAM EI	LEMENT	6. CATEGORY	CODE 7	. PRO	JECT NUMBER	8. PROJEC	T COST(\$000)
		İ					ļ	
ļ	2.75.960		740-884		LJY	2963001		1,600
l			9.	COST	ESTIMA	ATES		

	7		I
]		COST
U/M	QUANTITY	COST	(\$000)
SF	18,000	67	1,206
			220
LS]		(30)
SY	2,000	10	(20)
LS			(50)
LS	j		(120)
	6		1,426
		ĺ	71
			1,497
1 .		}	97
			1,594
		i	1,600
			·
	ĺ		
	-		
	i	1	
	ļ		
	Ì	İ	
	LS SY LS	LS 2,000 LS LS LS	LS SY 2,000 10 LS LS

10. Description of Proposed Construction: Reinforced concrete foundation, floor slab, frame, masonry walls and tile roof. Includes parking, site improvements, fire sprinkler system, utilities and necessary support. Functional areas include: reception, multi-purpose rooms, restrooms, storage, isolation rooms, offices, laundry, kitchen, mechanical room and playground.

Air Conditioning: 60 Tons.

11. REQUIREMENT: 18,000 SF ADEQUATE: 0 SUBSTANDARD: 7,140 SF PROJECT: Construct a child development center (CDC). (Current Mission) REQUIREMENT: This is a Level I Commander's Facility Assessment requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. A properly sized child development center is required to provide supervised care and a development experience for dependent children aged six weeks through twelve years. The facility must provide a comfortable, clean, educational environment where military service members and DoD civilians can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable child care available.

CURRENT SITUATION: The existing child development center is adequate to accommodate a maximum of 84 children, and daily attendance at the center averages 81, or 96%. At the present time, 150 children are on the waiting list. This project will provide a facility which will serve a total of 200 children. The existing facility is totally substandard and does not meet DOD criteria for child development centers. It is a prefabricated metal building, constructed as a temporary facility, which cannot

 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATE	2. DATE	3
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION INCIRLIK AIR BASE, TURKEY		
4. PROJECT TITLE	5. PROJECT NU	MBER
CHILD DEVELOPMENT CENTER	1.170963001	

accommodate infants. The overflow is turned away, and many parents have given up hope and left their children in the care of untrained, non-English speaking Turkish maids. Large numbers of single parents and dual-tasked military couples with children at Incirlik Air Base have great difficulty obtaining quality child care. After construction of this project, the existing child development center (7,140 SF) will be converted into a Morale, Welfare and Recreation storage warehouse. The cost of CDC care ranges from \$44 to \$86 per week. Licensed care is not available on the economy.

IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of active duty military and DoD civilians at Incirlik Air Base, readiness will decline. Personnel that have the additional burden of worrying about the care of their children simply will not operate as effectively as those who know their families are well cared for. Families will continue to be forced to use unskilled, untrained child care providers. Lack of appropriate, caring supervision and developmental interaction is highly detrimental to the development of young children.

ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. Current NATO policy indicates that this item will continue to be a user responsibility. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993.

Page No

1 COMPONEN	m l	· · · · · ·	2. DATE
1. COMPONEN	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA	Z. DAID
AIR FORCE	(computer generated)		
	TION AND LOCATION	-	
	R BASE, TURKEY	Т	
4. PROJECT	TITLE	5. PRO	DJECT NUMBER
CHILD DEVEL	OPMENT CENTER	LJY	C963001
<u></u>			:
12. SUPPLE	MENTAL DATA:		
a. Estim	ated Design Data:		
(1)	Status:		
` (a) Date Design Started		94 JAN 04
	b) Parametric Cost Estimates used to develop of	costs	Y
	c) Percent Complete as of Jan 1995 '		65%
	d) Date 35% Designed.		94 OCT 01
(e) Date Design Complete		95 AUG 01
(2)	Basis:		
	a) Standard or Definitive Design -		NO
(b) Where Design Was Most Recently Used -		N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):		(\$000)
(a) Production of Plans and Specifications		96
•	o) All Other Design Costs		
•	c) Total		96
· ·	d) Contract		
(e) In-house		96
(4)	Construction Start		95 DEC
b. Equipme	nt associated with this project will be provide	ed from	1
other appro	priations: N/A		

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRU	CTION PROJECT DATA	
AIR FORCE	(computer gen	erated)	
3. INSTALLATI	ON AND LOCATION	4. PROJECT TITLE	

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

UPGRADE SEWAGE TREATMENT PLANT

2.74.56U 831-165 LJYC973003 2,900 9. COST ESTIMATES

			UNIT	COST
ITEM -	ַ שׁ/ט	QUANTITY	COST	(\$000)
UPGRADE SEWAGE TREATMENT PLANT	LS			2,175
LABORATORY/WORK SHOP/CHLORINE BUILDING	SF	2,000	80	(160)
SEDIMENTATION TANKS	EA	2	250,000	(500)
SLUDGE PROCESSING SYSTEM	LS			(1,015)
POND LINER/OUTFALL SEWER REPAIRS	LS			(500)
SUPPORTING FACILITIES				300
UTILITIES .	LS	•		(175)
PAVEMENTS	LS			(50)
SITE IMPROVEMENTS	LS			(50)
DEMOLITION	SF	1,550	16	(25)
SUBTOTAL				2,475
CONTINGENCY (10%)				248
TOTAL CONTRACT COST				2,723

- 10. Description of Proposed Construction: Upgrade sewage treatment plant. Install bar screens, comminutor, piping, sedimentation tanks, trickling filters, laboratory/workshop, sludge processing system, chlorination system, pump stations, flow meters and standby power. Repair pond liners. Demolish existing sewage treatment facilities. Provide laboratory equipment and repair effluent pipeline.
- 11. REQUIREMENT: As required.

TOTAL REQUEST

TOTAL REQUEST (ROUNDED)

SUPERVISION, INSPECTION AND OVERHEAD (6.5%)

INCIRLIK AIR BASE, TURKEY

PROJECT: Upgrade sewage treatment plant. (Current Mission)

REQUIREMENT: This is a level I environmental compliance project. Provide a sewage treatment plant to meet DoD Final Governing Standards for wastewater discharge.

CURRENT SITUATION: Base sewage effluent does not meet DoD Final Governing Standards (FGS) for wastewater discharge. The existing primary treatment process at the plant consists of an out-of-service clarifier and two undersized Imhoff tanks which are frequently out of service for maintenance. This results in heavy biological oxygen demand (BOD) loadings on the facultative lagoons and reduces the efficiency of the plant. Additionally, there is no laboratory or maintenance facility on the site to insure that effluents are in compliance with DoD FGS.

IMPACT IF NOT PROVIDED: This base will not comply with the DoD Final Governing Standards for wastewater discharge. The existing plant's effluent will continue to pollute local streams. The plant will be out of compliance with the increasingly stringent host nation wastewater discharge standards. The likelihood of receiving notices of violation and fines will escalate.

ADDITIONAL: This project is not NATO eligible. It is not within an established NATO infrastructure category for common funding, nor is it

177

2,900

2,900

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
INCIRLIK AIR	BASE, TURKEY	
4. PROJECT TI	TLE 5	. PROJECT NUMBER
UPGRADE SEWAG	E TREATMENT PLANT	LJYC973003

expected to become eligible. Current NATO policy indicates that this item will continue to be a user responsibility. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
IR FORCE	(computer generated)	
. INSTAL	LATION AND LOCATION	
NCIRLIK Z	AIR BASE, TURKEY	
. PROJEC	TITLE 5.	PROJECT NUMBER
מתגמטם	EWAGE TREATMENT PLANT	LJYC973003
-GRADE 3	WAGE TREATMENT FLANT	<u> </u>
2. SUPP	LEMENTAL DATA:	
a. Est	imated Design Data:	
(1)	Status:	
	(a) Date Design Started	94 MAR 15
	(b) Parametric Cost Estimates used to develop cost	s Y
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	95 JAN 15
	(e) Date Design Complete	95 AUG 15
(2)	Basis:	
	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = $(a) + (b)$ or $(d) + (e)$:	(\$000
	(a) Production of Plans and Specifications	130
	(b) All Other Design Costs	
	(c) Total	130
	(d) Contract	
	(e) In-house	130
(4)	Construction Start	96 MAF
Fauin	ment associated with this project will be provided f	rom
	copriations: N/A	r Om

			.,								
1. COMPONENT										2. DA	re
	FY	1996		ARY CO			PROGI	RAM			
AIR FORCE				outer (
3. INSTALLATI						DINAMMO				1	EA CONST
ROYAL AIR FORCE LAKENHEATH, UNITED UNITED STATES AIR										1	ST INDEX
KINGDOM FORCES IN EUROPE										. 33	
6. PERSONNEL		F	PERMANI			UDENT			POR!		-
STRENGTH	_		ENL		OFF	ENL	CIV	OFF	EN		
a. As of 30 S	SEP 94		4000					2		8 268	
b. End FY 200	00		3923					2		8 268	5,318
				ENTORY	DATA	(\$000)				
a. Total Acre			340)								
b. Inventory	Total As	Of:	(30 SI	EP 94)						168,86	
c. Authorizat	ion Not Y	et Ir	Inve	ntory:						3,60	
d. Authorizat	ion Reque	ested	In Th	s Pro	gram:					1,82	
e. Authorizat							(FY]	1997)		7,95	•
f. Planned In			gram 1	ears:		1				19,25	
g. Remaining		ey:								43,95	
h. Grand Tota										245,43	35
8. PROJECTS R	REQUESTED	IN TH	HIS PRO	OGRAM:	FY 1	.996					
CATEGORY					_			COST	-		STATUS
CODE	PROJE	CT TI	TLE		5	COPE		(\$000	1)	START	CMPL
212-213 ADD SHC		LE MAI	NTENAI	NCE		4,300 TOTAL:	_	1,82		SEP 94	JUL 95
9a. Future P	rojects:	Incl	uded i	in the	Follo					997)	
721-312 DORM	-						PN			·	
842-245 ADD		TER W	ATER				LS	4,15	0		
	TRIBUTION										
						TOTAL:		7,95	0		
9b. Future P	rojects:	Typi	cal Pl	lanned	Next	Four 3	ears	5:			
121-111 CONS						8,000			0		
141-753 ADAL	SQUADRON	OPER	RATIONS	3		2,200	SF	1,90	0		
211-152 GENE	RAL PURPO	SE AC	FT MA	INT	2	4,000	SF	3,20	0		
610-128 COMB	AT READIN	IESS C	ENTER		2	5,000	SF	3,70	0		
721-312 ADD	TO AND AL	TER D	ORMIT	DRIES		216	PN	6,20	0		
	or Major									squadro	ons
and oneF-15C/	D squadro	on; an	d an A	Air For	cce re	giona	l hos	pital	•	4.00	
11. Outstand	ing pollu	tion	and sa	afety	(OSH)	defic	Lenci	les:			•
	pollution									(
	r polluti									2,500	
	pational		_	health	1:					900	
d. Othe	r Environ	menta	ıl:							()

1. COMPONENT		2. DATE						
1	FY 1996 MILITARY CONSTRUCTION PROJECT DATA							
AIR FORCE								
3. INSTALLATION A	AND LOCATION	4. PROJECT TITLE						
ROYAL AIR FORCE I	LAKENHEATH,	ADD TO MISSILE MAINT	ENANCE					
UNITED KINGDOM								
5. PROGRAM ELEMEN	NT 6. CATEGORY CODE 7. PR	OJECT NUMBER 8. PROJE	CT COST(\$000)					

· INCOIGH.	DDBMENT	٥.	CATEGORI	CODE	, •	PRODECT	NOMBER	••	PROJECT	COS1 (\$000
2.75.960			212-213			MSET9360	002			1,820

2.75.960	212-	MSET93	6002			1,820	
		9. COST	ESTIMATE	S			
						UNIT	COST
	ITEM		א/ט	QUANTITY	COST	(\$000)	
ADD TO MISSILE M	IAINTENANCE		SF	4,300	320	1,376	
SUPPORTING FACII	ITIES				1		310
UTILITIES				LS			(95
SITE IMPROVEME	INTS			LS			(70
PAVEMENTS				LS			(80
FIRE PROTECTIO	N SYSTEMS			LS			(65
SUBTOTAL				ļ		i	1,686
CONTINGENCY (5%)							84
TOTAL CONTRACT C	OST						1,770
SUPERVISION, INS	PECTION AND	OVERHEAD	(2.5%)	}			44
TOTAL REQUEST							1,814
TOTAL REQUEST (R	OUNDED)						1,820
					1		
						,	

10. Description of Proposed Construction: Construct reinforced concrete floor, foundations, walls, and roof system consistent with existing facility. Includes intrusion detection, fire detection and suppression, hoist, compressed air and work area for disassembly, maintenance and assembly. Upgrade power supply, heating and ventilation. Provide secure working/storage area.

11. REQUIREMENT: 9,425 SF ADEQUATE: 5,094 SF SUBSTANDARD: 0
PROJECT: Add to missile maintenance shop. (New Mission)
REQUIREMENT: A facility to support missile inspection, testing, assembly and repair, test and repair of ground support equipment, inspection and calibration. Includes areas for storage of supplies and equipment, administrative offices, and a ready/standby room. Provide a secure working/storage area for classified storage and training. Requires intrusion detection and controlled access. Due to the beddown of F-15 aircraft from Bitburg AB, the existing facility cannot meet the demands for additional missile maintenance.

CURRENT SITUATION: The current missile maintenance shop was constructed in 1953 and expanded in 1976 to support additional munitions types. With the transition of F-15C/D aircraft to Lakenheath, there are now three additional types of munitions facilities housed in a two-bay facility. The current facility cannot adequately support the maintenance requirements with the additional air-to-air missiles added to Lakenheath's support requirement. As an interim measure, an old aircraft maintenance unit facility is currently being modified to handle the inspection workload but it does not have adequate ceiling height to install a hoist system to move munitions around the shop. This will force the maintenance crews to use forklifts to move equipment and munitions around the work

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	

ROYAL AIR FORCE LAKENHEATH, UNITED KINGDOM

4. PROJECT TITLE

5. PROJECT NUMBER

ADD TO MISSILE MAINTENANCE SHOP

MSET936002

area. This is a safety hazard. Additionally, the space in this facility is inadequate to meet the requirements of a missile maintenance bay. No other facility currently exists at Lakenheath to adequately support this requirement. This will force missile maintenance to be performed in a substandard workaround facility. Approximately 300 additional missiles were added to Lakenheath's support requirements by this beddown.

IMPACT IF NOT PROVIDED: The maintenance crews will continue to use an inadequate workaround that will cause delays in maintenance and potentially hazardous working conditions. They will not be able to provide adequate maintenance to all the missiles in the Lakenheath inventory.

ADDITIONAL: This project is not eligible for NATO funding. A precautionary prefinancing statement will be issued to NATO for possible recoupment of U. S. funds, if the project becomes eligible in the future. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

L. COMPON	ENT		2. DATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE		(computer generated)	
3. INSTAL	LATIC	ON AND LOCATION	
OYAL AIR	FORG	CE LAKENHEATH, UNITED KINGDOM	
. PROJEC			PROJECT NUMBER
DD TO MI	SSILE	E MAINTENANCE SHOP	4SET936002
2. SUPP	LEMEN	WTAL DATA:	
a. Est	imate	ed Design Data:	
(1)	Sta	itus:	
	(a)	Date Design Started	94 SEP 30
	(b)	Parametric Cost Estimates used to develop costs	
	(C)	Percent Complete as of Jan 1995	25%
	(d)	Date 35% Designed.	95 FEB 28
	(e)	Date Design Complete	95 JUL 21
(2)	Bas	is:	
	(a)	Standard or Definitive Design -	NO
	(p)	Where Design Was Most Recently Used -	N/A
(3)	Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000
		Production of Plans and Specifications	30
	(b)	All Other Design Costs	72
		Total	102
	` '	Contract	72
	(e)	In-house	30
(4)	Con	struction Start	95 NOV
Equipm	ent a	associated with this project will be provided fro	om

1. COMPONENT							2	. DA	ΓE
	FY 1996 MILIT				PROGI	RAM			
AIR FORCE	······································	puter o							
3. INSTALLATION A	AND LOCATION			DINAMM			5		EA CONST
ROYAL AIR FORCE M	IILDENHALL, UNIT	ED		D STA			1		ST INDEX
KINGDOM				S IN I			<u></u>		. 33
6. PERSONNEL	PERMAN	ENT	SI	UDENT	S	SUF	PORTE	D	-
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 9	4 269 2577	606				13	30	4	3,499
b. End FY 2000	396 3453	619				13	30	4	4,515
		ENTORY	DATA	(\$000)				
a. Total Acreage:	(1,149)								
b. Inventory Tota	l As Of: (30 S	EP 94)					1:	15,04	10
c. Authorization								4,80	
d. Authorization	Requested In Th	is Prog						2,25	50
e. Authorization	Included In Fol	lowing	Progr	am:	(FY I	1997)		6,40	00 .
f. Planned In Nex	t Four Program	Years:							0
g. Remaining Defi	ciency:							34,58	
h. Grand Total:							16	53,07	70
8. PROJECTS REQUE	STED IN THIS PR	OGRAM:	FY 1	.996					
CATEGORY						COST	DES	SIGN	STATUS
CODE	PROJECT TITLE		5	COPE		(\$000	<u>) 51</u>	CART	CMPL
740-884 ADD TO A	ND ALTER CHILD		1	7,100	SF	2,25	O JAI	1 94	AUG 95
DEVELOP	MENT CENTER				_		_		
				TOTAL:		2,25			
9a. Future Proje	cts: Included	in the	Follo	wing I	Progr	am (F	Y 1997	7)	
721-312 DORMITOR	.Y			220	PN _	6,40	0		
				TOTAL:		6,40	0		
	cts: Typical P								
	ajor Functions:								
wing with a KC-13	5 squadron; and	the Eu	ropea	n Tanl	ker 1	ask F	orce	(KC-1	.35).
In 1995, a Specia									53
helicopters) will	consolidate op	eratior	s at	RAF M	ilder	hall	from E	RAF	
Alconbury.									
11. Outstanding	pollution and s	afety (OSH)	defic	ienci	.es:			
a. Air poll	ution:		•					C	
b. Water po								1,300)
	onal safety and	health	1:						
÷	vironmental:							C)

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTR	RUCTION PROJECT DATA
AIR FORCE (computer ge	enerated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
ROYAL AIR FORCE MILDENHALL,	ADD TO AND ALTER CHILD
UNITED KINGDOM	DEVELOPMENT CENTER

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST(\$000)

QFQE933011R1

9 COST ESTIMATES

740-884

9. COST ESTIMATI	ES			
			UNIT	COST
ITEM	ע/ש	QUANTITY	COST	(\$000)
ADD TO AND ALTER CHILD DEVELOPMENT				
CENTER	SF	17,100		1,842
ADDITION	SF	10,000	170	(1,700)
ALTERATION	SF	7,100	20	(142)
SUPPORTING FACILITIES	1.			135
UTILITIES	LS			(35)
PAVEMENTS	SY	1,750	20	(35)
FIRE PROTECTION	LS			(40)
SITE IMPROVEMENTS	LS			(10)
DEMOLITION	SF	1,250	12	(15)
SUBTOTAL				1,977
CONTINGENCY (10%)				198
TOTAL CONTRACT COST				2,175
SUPERVISION, INSPECTION AND OVERHEAD (2.5%)				54
TOTAL REQUEST				2,229
TOTAL REQUEST (ROUNDED)				2,250
	1	: I		

- 10. Description of Proposed Construction: Clear site, excavate, and lay foundations; erect a brick building with pitched tile roof. Includes all necessary playgrounds, sidewalks, car parking, utilities, communications, water, electricity, and drains. Alterations to existing building to meet current standards. Provide security and fire protection. Demolish one building.
- 11. REQUIREMENT: 17,100 SF ADEQUATE: 0 SUBSTANDARD: 8,350 SF PROJECT: Add to and alter child development center (CDC). (Current Mission)

REQUIREMENT: This is a Level I Commander's Facility Assessment (CFA) requirement. This facility requirement is in accordance with the Military Child Care Act of 1989. Adequate facilities are essential for providing supervised care and developmental experience for dependent children aged six weeks to twelve years. The facility must provide space for multi-purpose rooms for children of different age groups, offices, storage, laundry, and support areas. The facility must provide a comfortable, clean educational environment where service members can leave their children on an hourly, daily, or drop-in basis without worrying about the level or nature of care. With service members on call for duty continuously, varied shifts and flex-time, it is imperative that they have reliable childcare available.

CURRENT SITUATION: Existing facility is adequate to accommodate a maximum of 92 children. Daily attendance at the center averages 102, or 111%. At the present time, 121 children are on the waiting list. This project will result in a facility which will serve a total of 228 children. This shortfall does not include any additional spaces required to support the planned beddown in March 1995 of the 352 Special Operations Group. The

2.75.96U

2,250

-	1. COMPONENT			2. D	ATE
		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ΓA		
	AIR FORCE	(computer generated)			
	3. INSTALLAT	ON AND LOCATION			
	ROYAL AIR FOR	RCE MILDENHALL, UNITED KINGDOM			
	4. PROJECT TI	TLE	5. PR	DJECT	NUMBER
ł	ADD TO AND AL	TER CHILD DEVELOPMENT CENTER	QF	2E9330)11R1

lack of child development center space causes hardship for military and civilian families since alternatives are unreliable, inconveniently located, expensive, and do not provide the developmental opportunities available in a formal program. Child care off-base costs four times the average on-base rate and facilities do not meet standards set by the Military Child Care Act of 1989. The cost of off-base child care is between \$105 and \$150 per week and family day care is \$80 per week when licensed through the base. Demolish one 1,232 square foot facility. IMPACT IF NOT PROVIDED: Lack of quality child care contributes to employee absenteeism, low morale and has a negative impact on the military and civilian work forces. Without adequate child care for the dependents of assigned personnel, readiness will decline. Parents that have the extra burden of worrying about the care of their children simply will not operate as efficiently as those who know their families are well cared for. Families will continue to be forced to use expensive child care programs or place their children in inadequate care in the local communities, or the spouses will not be able to work. ADDITIONAL: This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility. However, a precautionary prefinancing statement will be submitted to NATO in the event that the criteria changes for facilities of this type. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and DoDI 6060.2, "Child Development Center Programs", published in January 1993. A preliminary economic analysis of reasonable options for accomplishing this project (status quo, upgrade, new construction) was done. It indicates there is only one option that will meet the requirements. Because of this, a full economic analysis was not performed. A certificate of exception has been prepared.

AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION ROYAL AIR FORCE MILDENHALL, UNITED KINGDOM 4. PROJECT TITLE ADD TO AND ALTER CHILD DEVELOPMENT CENTER QFQE933011R1 12. SUPPLEMENTAL DATA:
DD TO AND ALTER CHILD DEVELOPMENT CENTER 5. PROJECT NUMBER QFQE933011R1
DD TO AND ALTER CHILD DEVELOPMENT CENTER QFQE933011R1
DD TO AND ALTER CHILD DEVELOPMENT CENTER QFQE933011R1
DU TO AND ADTEN CHIEB BEVESCHISTED
JU TO AND ADTEN CHIEB BEVEREETHEN CONTROL
O CUDDIEMENTAL DATA.
2. SUFFLERENIAL DAIA.
a. Estimated Design Data:
(1) Status:
(a) Date Design Started 94 JAN (
(b) Parametric Cost Estimates used to develop costs
(c) Percent Complete as of Jun 1995
(d) Date 35% Designed.
(e) Date Design Complete 95 AUG (
(2) Basis:
(a) Standard or Definitive Design - YES
(b) Where Design Was Most Recently Used - RAMSTE
(3) Total Cost (c) = (a) + (b) or (d) + (e): (50)
(a) Production of Plans and Specifications
(b) All Other Design Costs
(c) Total
(d) Contract
(e) In-house
(4) Construction Start 95 D
. Equipment associated with this project will be provided from other appropriations: N/A
ther appropriations. Ny.

•										
1. COMPONENT									2. DA	TE
AIR FORCE	FY 1996	MILIT				1				
3. INSTALLATIO	N AND LOCAT	COM ION	puter		MMAND				5 AD	EA CONST
		- 01.		7. 00	AMBERT					ST INDEX
VARIOUS LOCATI	ONS	T //						_		.00
6. PERSONNEL								PORT		
STRENGTH a. As of	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL		
b. End FY										
		7. INV	ENTORY	DATA	(\$000)	 				
a. Total Acrea	ge: ()	LNIONI	DAIA	(3000)					
b. Inventory To	otal As Of:									
c. Authorization	on Not Yet I	n Inve	ntory:							
d. Authorization	on Requested	In Th	is Pro	gram:						
e. Authorization	on Included	In Fol:	lowing	Progr	am:					
f. Planned In I	Next Three P	rogram	Years	:						
g. Remaining Deh. Grand Total:										
8. PROJECTS REC		HIS PRO	OCR AM •	FY 1	995	1	- · · · ·			
CATEGORY	(1110 1100	JOIGH1.	ri I	333	,	COST	וח	CTCN	STATUS
CODE	PROJECT T	ITLE		S	COPE		(\$000		TART	CMPL
010-211 UNSP	ECIFIED MINO	OP CONC	TO LICATI						22201	OIII L
OIO ZII ONDI	ECIPTED MIN	DK CONS	TKUCTI	ON	LS		9,030			
										1
										1
										ł
										1
										1
										- 1
							•			[
										ļ

•	1. COMPONENT										2.	DATE	
	FY 1996 MILITARY CONSTRUC							OJECT	DAT	A.			
		AIR FORCE (computer gene											
	3. INSTALLATION	3. INSTALLATION AND LOCATION							TITL	Ξ			ĺ
													ı
	VARIOUS LOCAT				T= ===							RUCTION	-
	5. PROGRAM ELE	EMENT	6. CATEGORY	CODE	7. PRO	JEC	T NU	MBER	8. I	PROJEC	CT (COST (\$000)
	0 10 111		010 011		, n,	· B O O	4015	_				0.030	
-	9.12.11M		010-211	COST	r ESTIN		4015		<u> </u>			9,030	\dashv
-			J.		ESIIF	MIE	<u> </u>	1		TINU	•	COST	ᅱ
			ITEM				и/м	QUAN	ידיץ	COST		(\$000)	.
-	UNSPECIFIED MI	INOR (- "	LS	2				9,030	一
	SUBTOTAL							İ				9,030	
	TOTAL CONTRACT	cos	י									9,030	J
	TOTAL REQUEST											9,030	
	TOTAL REQUEST	(ROUN	IDED)									9,030	1
	-												-
							İ .	ŧ	İ				-
									İ				İ
i													
									}				
													ı
									İ				
I									l				

10. Description of Proposed Construction: Provide a lump sum amount for unspecified construction projects, not otherwise authorized by law, having a funded cost between \$300,000 and \$1,500,000, including construction, alteration or conversion of permanent or temporary facilities, in accordance with 10 USC 2805.

11. REQUIREMENT: As required.

REQUIREMENT: This package provides the means of accomplishing urgent projects that are not identified but which are anticipated to arise during FY 96. Included would be projects to support new mission requirements, support of new equipment and concepts and other essential support to Air Force missions and functions that could not wait until availability of FY 97 Military Construction Program funds. 10 USC 2805 provides authority to the Secretaries of the military departments to accomplish projects of this nature.

4	·												
	1. COMPONENT		1000			-					2. D	ATE	
	ATD FORCE	FY	1996		ARY CO			PROGI	RAM				
	AIR FORCE 3. INSTALLAT	TON AND TO	በሮልሞ፣	OM COM	puter	-		-					
1		TON WHD P	OONII	-11		اً . دا	DMMAND						CONST
Ţ	VARIOUS LOCA	TIONS										0.00 0.00	INDEX
	6. PERSONNEL			PERMAN	ENT	S:	TUDENTS	3	SUF	POR		1	<u>. </u>
ļ	STRENGTH		OFF		CIV	OFF		CIV				vt ·	TATO
	a. As of												- 9 - 1 1 1
#	b. End FY												
+	a. Total Acr			7. INV	ENTORY	DATA	(\$000))					
li	. Inventory	eage: (os.	,									
	. Authoriza	tion Not V	OI: Ot Tr	Torra	n t a								
	l. Authoriza	tion Reque	eted	To The	ncory: ic Proc								j
	. Authoriza	tion Incl	ided 1	n Foll	is rrug lowing	gram: Progr	·om·						
1	f. Planned I	n Next The	ee Pr	COgram	Years	rrogr	au.						
] {	g. Remaining	Deficienc	:y:										
1	1. Grand Tota	al:	-		_								į
18	PROJECTS 1	REQUESTED	IN TH	IIS PRO	OGRAM:	FY 1	995	i		·			
19	CATEGORY								COST	D	ESIGN	T S T	ATUS
	CODE	PROJE	CT TI	TLE		<u>s</u>	COPE		(\$000		START		CMPL
-							-			_		-	
۱ (010-211	PLANNING	& DES	SIGN			LS	3	0,835				1
1									-				- 1
1													1
													- 1
													ļ
													}
													1
													ĺ
]
													- [
													-
													1
													j
													1
													İ
	,												1
													1
													-
													-
						,							
													1
													İ

T											_	
1. COMPONENT											2.	DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA												
	AIR FORCE (computer generated)											
3. INSTALLATI	ON ANI	LOCATION			4	. F	PROJ	JECT :	TITLE	Ē		
VARIOUS LOCAT								IG ANI				
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7.	PROJE	CT	NUM	IBER	8. F	PROJEC	T	COST(\$000)
]								
9.12.11D		010-211		<u> </u>	PAYZ9	880	054					30,835
		9.	. cos	r es	TAMIT	ES						
										LIND		COST
		ITEM				Ū	J/M	QUAN?	TITY	COST	<u>'</u>	(\$000)
PLANNING AND	DESIGN	1				I	LS					30,835
SUBTOTAL												30,835
TOTAL CONTRAC	T COST	ŗ				Ì						30,835
TOTAL REQUEST	ı					- 1						30,835
TOTAL REQUEST	(ROUN	NDED)				- 1						30,835
								•				
						- {						
						- 1						
						- 1			1			
						1						
					ŀ							
						- [
1									-			
							1					

- 10. Description of Proposed Construction: The funds requested will be used to provide financing for architectural and engineering services and construction design for Air Force Military Construction Programs.
- 11. REQUIREMENT: As required.

REQUIREMENT: These planning and design funds are required to complete the design of facilities in the FY 97 Military Construction Program, initiate design of facilities in the FY 98 Military Construction Program and accomplish planning and design for major and complex technical projects with a long lead-time to be included in subsequent Military Construction Programs. Also provides funds for value engineering and for the support of construction management activities of projects that are funded by foreign governments and for design of classified and special programs.

1. COMPONENT				12.	DATE
FY 1996 MILITARY CONSTRUCTION	ON PR	OJECT	DATA		
AIR FORCE (computer genera					
3. INSTALLATION AND LOCATION 4	. PRO	JECT 1	TITLE	,	
VARIOUS	ROJEC	TS S1	MILL	ION AND	UNDER
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJE	CT NU	MBER	8. P	ROJECT	COST(\$000)
9. COST ESTIMAT	ES				
	Ī	l		UNIT	COST
ITEM	U/M	QUANT	YTI	COST	(\$000)
		,			
,					
	1				
			1		
10. Description of Porposed Construction:					
Following are individual justification p \$1 million and under.	paragr	aphs	for	all pro	jects
of milital and under.					
VARIOUS LOCATIONS - WITHIN TH	JE TINIT	ם משתי	መ አ ጥሮ፡	c	
VARIOUS LOCATIONS - OUTSIDE T					

1. COMPONENT FY 1996 MILI	TARY CONSTRUCTION PROJECT DATA	2. DATE
1	computer generated)	
3. INSTALLATION AND LOCATION		
VARIOUS LOCATIONS - WITHIN TH	E UNITED STATES	
4. PROJECT TITLE	5.	PROJECT NUMBER
PROJECTS \$1 MILLION AND UNDER		
		COST
STATE AND LOCATION	PROJECT TITLE	(\$000)
ALASKA		
ELMENDORF AFB (PAF) FXSB931012G	REPAIR AIRFIELD TAXIWAY	900

Repair airfield taxiway. (Current Mission) This is a Level I Commander's Facility Assessment requirement. Adequate airfield taxiways in good condition are required for the safe operation of assigned and transient aircraft. The taxiways are required to provide aircraft access to 15 parking hardstands, two C-130 maintenance hangars, and the base fuel cell. The taxiways have deteriorated from the harsh winter climate and several years of snow removal operations. Pavement heaves are visible and spalls have developed. The old, brittle asphaltic concrete has developed a very consistent pattern of longitudinal and transverse cracks approximately every 50 feet along the taxiway lane. The damage is too extensive to repair with pavement patches. Deteriorated pavements can prove detrimental to aircraft engines and to the overall safety of aircraft operations. The taxiway pavements will continue to deteriorate. Advanced failure of the surface will eventually force closure of the taxiways, thereby impacting C-130 aircraft operations and increase the cost to repair the pavements. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

112-211

		2. DATE
1. COMPONENT		
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	rA
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
	DODGE TAGE ALACYA	
4. PROJECT T	R FORCE BASE, ALASKA	5. PROJECT NUMBER
4. PROJECT I	LIDE	
REPAIR AIRFI	ELD TAXIWAY	FXSB931012G
		-
12. SUPPLEM	ENTAL DATA:	
a. Estima	ted Design Data:	
(1) S		94 MAY 02
(a	 Date Design Started Parametric Cost Estimates used to develop 	* * *
(D) Percent Complete as of Jan 1995	40%
) Date 35% Designed.	94 DEC 15
) Date Design Complete	95 AUG 15
, ,	, 2233 2232	
(2) B	asis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) m	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(3) 1) Production of Plans and Specifications	50
) All Other Design Costs	68
) Total	118
) Contract	
(e) In-house	118
(4) C	onstruction Start	96 JAN
b. Equipmen	t associated with this project will be provid	led from
other approp		
	·	

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION VARIOUS LOCATIONS - WITHIN THE UNITED STATES 5. PROJECT NUMBER 4. PROJECT TITLE PROJECTS \$1 MILLION AND UNDER COST STATE AND LOCATION PROJECT TITLE (\$000) ALASKA

ELMENDORF AFB (MTC) FXSB949999

MILSTAR COMMUNICATIONS GROUND

850

TERMINAL

131-132

Construct a Milstar communications ground terminal support facility. (New Mission) A properly sized facility is required to house two 60 KW generators and an uninterruptible power supply (UPS) system for the Milstar Communications Ground Terminal located in an adjacent facility. The emergency power equipment and supporting facility must be designed to meet Milstar facility specifications. The Milstar system provides the National Command Authority (NCA) with the only worldwide, secure, two-way, anti-jam and survivable system with a low probability of detection/ interception voice and data communication capability via satellites. Milstar terminal equipment for this site is scheduled for delivery in August 1996. The existing facility has no space available to house the new standby generators and uninterrupted power supply. Critical connectivity between NORAD/Space Command and other high priority users would be lost during crises, denying the ability to command and control military forces through all levels of conflict. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". Unlike Milstar ground communications terminals at other locations, this terminal requires no special shielding.

1. COMPONENT AIR FORCE		ARY CONSTRUCTION I		2. DATE
	ON AND LOCATION			
ETMENDODE AT	R FORCE BASE, ALAS	KA		
4. PROJECT T			5. PR	OJECT NUMBER
		MDDVINA!	FY	SB949999
MILSTAR COMMO	JNICATIONS GROUND	TERMINAL	1 17	00040000
12. SUPPLEM	ENTAL DATA:			
a. Estimat	ted Design Data:			
(, , -	tatus:	d		93 JUN 25
(a. (b.) Date Design Sta) Parametric Cost	Estimates used to	o develop costs	N N
) Percent Complet		•	35%
) Date 35% Design			93 DEC 21
(e) Date Design Com	plete		95 JUL 16
(2) B	asis:			
(a) Standard or Definitive Design -				NO
(b) Where Design Wa	s Most Recently U	sed -	N/A
	otal Cost (c) = (a			(\$000)
) Production of P		ations	50
) All Other Desig	n Costs		30
•) Total			80 60
) Contract			20
(е) In-house			20
(4) C	onstruction Start			96 FEB
b. Equipment	t associated with riations:	this project will	be provided fro	mc .
			FISCAL YEAR	
EQ	UIPMENT	PROCURING	APPROPRIATED	COST
	ENCLATURE	APPROPRIATION	OR REQUESTED	(\$000)
MILSTAR TERM	INAL EQUIPMENT	3080	1995	3800
EHF ANTENNA		3080	1995	590
SOLID STATE		3080	1995	125

Page No

1. COMPONENT FY	1996 MILITARY CONSTRUCTION PROJECT DATA	2. DF	ATE
AIR FORCE	(computer generated)		
3. INSTALLATION AND	LOCATION		
VARIOUS LOCATIONS -	WITHIN THE UNITED STATES		
4. PROJECT TITLE		5. PROJECT	NUMBER
PROJECTS \$1 MILLION	משמעות מונה		

STATE AND LOCATION

PROJECT TITLE

COST (\$000)

ARIZONA

DAVIS-MONTHAN AFB (ACC) FBNV963002 ALTER AIRCRAFT CORROSION

1000

CONTROL FACILITY

211-159

Alter aircraft corrosion control facility. (Current Mission) This is a Level I environmental compliance project. Currently Davis-Monthan cannot comply with Title 17 of Pima County Code which requires that surface coating operations "be conducted in an enclosed area equipped with controls containing no less than 96 percent of the overspray". No more than 40 lbs per day of organic compounds containing photochemically reactive solvents may be emitted to the atmosphere. Modern corrosion control facilities are required that will support the aircraft maintenance needs without polluting the environment. This project will provide the ventilation and filtration system necessary to capture the VOCs and particulate matter, and render the facility capable of functioning within the limits of local and federal environmental regulations. The existing facility lacks adequate ventilation to capture particulates from paint overspray and paint sanding residue. The result is that particulates accumulate on the walls, floor and ceiling rather than in the exhaust air filters. This also results in increased exposure of workers to paint dust and hazardous air pollutants. The ventilation system draws in more outside air than can be filtered by the existing exhaust air filtration system. This forces the release of particulates through inadequately secured doors, windows and other openings. There are no provisions to capture and/or treat exhaust air VOCs from the exhaust air stream. The current system operates in direct violation of Pima County Code requiring capture of at least 96 percent of the overspray and limiting emission of organic compounds containing photochemically reactive solvents to less than 40 pounds per day. Davis-Monthan will be out of compliance with Pima County air quality regulations, subjecting the base to possible fines and penalties and/or closure of the aircraft corrosion control facility. Additional expenses induced in either case would be prohibitive and would jeopardize the flying support mission effectiveness. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements". This pollution control system will help reduce VOC emissions and contribute to the Air Force goal of reducing VOCs by 50% by 1999.

	CNT	2. DATE
TD 00000	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	4
IR FORCE	(computer generated) ATION AND LOCATION	
. INSTAL	ATION AND LOCATION	
AVIS-MON	HAN AIR FORCE BASE, ARIZONA	
. PROJECT		. PROJECT NUMBER
TMED ATD	IDA EM GODDOGEOù COUED DE COUE	
LIER AIRC	RAFT CORROSION CONTROL FACILITY	FBNV963002
2. SUPPI	EMENTAL DATA:	
a. Esti	mated Design Data:	·
(1)	Status:	
(-,	(a) Date Design Started	94 JUN 01
	(b) Parametric Cost Estimates used to develop co	
	(c) Percent Complete as of Jan 1995	35%
	(d) Date 35% Designed.	94 AUG 30
	(e) Date Design Complete	95 JUL 30
	, ,	95 JUL 30
(2)	Basis:	
· •	(a) Standard or Definitive Design -	NO
	(b) Where Design Was Most Recently Used -	N/A
(3)	Total Cost (c) = (a) + (b) or (d) + (e):	(\$000
` '	(a) Production of Plans and Specifications	60
	(b) All Other Design Costs	110
	(c) Total	170
	(d) Contract	110
	(e) In-house	60
(4)	Construction Start	96 JAN
Equipm	ent associated with this project will be provided	from
ner appr	opriations: N/A	
	·* •	
		,

1. COMPONENT		2. DF	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA		
AIR FORCE	(computer generated)		
3. INSTALLATION	AND LOCATION		
VARIOUS LOCATIO	NS - WITHIN THE UNITED STATES		
4. PROJECT TITE		PROJECT	NUMBE

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

CALIFORNIA

TRAVIS AFB (AMC) XDAT963800 HAZARDOUS WASTE STORAGE

600

XDAT963800 FACILITY 442-257

Hazardous waste storage facility. (Current Mission) This is a Level I Environmental Compliance Project. Project is required to provide a storage facility meeting Federal and State Environmental Protection Agency (EPA) regulations. Facility shall be constructed so as to contain any harardous materials spills until proper disposition of such materials can be accomplished. Travis AFB constructed a hazardous waste storage facility through the FY91 operations and maintenance (O&M) program to bring hazardous waste storage requirements into EPA compliance. The work was originally split into two companion projects (minor construction and repair) and funded accordingly with O&M funds. A subsequent Air Force Audit Agency audit recommended that the repair project was incorrectly classed and that construction funds should have been used to accomplish both requirements under a single project. The audit also determined the total construction costs to be \$600,000. Since construction costs exceed the legal limit for O&M construction, the project must now be congressionally approved and authorized through the MILCON process. Air Force will be unable to reimburse the FY91 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
	DRCE BASE, CALIFORNIA	
4. PROJECT T	ITLE	5. PROJECT NUMBER
HAZARDOUS WA	STE STORAGE FACILITY	XDAT963800
12. SUPPLEM	ENTAL DATA:	
a. Estimat	ced Design Data:	
(1) St	catus:	
(a)	Date Design Started .	90 DEC 01
(b)	Parametric Cost Estimates used to develop	costs N
•	Percent Complete as of Jan 1995	100%
• •	Date 35% Designed.	91 MAY 30
(e)	Date Design Complete	91 SEP 01
(2) Ba	asis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	36
(d)	All Other Design Costs	18
(c)	Total	54
, ,	Contract	•
(e)	In-house	54
(4) Co	nstruction Start	91 OCT
	associated with this project will be provide iations: N/A	ed from
semer appropr	Tactons. n/A	

T				2. DATE
1. COMPONENT				Z. DAIE
	FY	1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE		(computer generated)		
3. INSTALLATI	ON AND	LOCATION		
į				
VARIOUS LOCAT	cions -	WITHIN THE UNITED STATES		
4. PROJECT TI			5. PRO	OJECT NUMBER
		:		
PROJECTS \$1 M	ILLION	AND UNDER		
				COST
STATE AND LO	CATTON	PROJECT TITLE		(\$000)
DIMIL TIND BO	01111011			<u> </u>
CLASSIFIED L	OCATION	1		
CLASSIFIED I	OCATION			
CLASSIFIED	L	SPECIAL TACTICAL UNIT		700
		DETACHMENT FACILITY		, • •
PAYZ964443	i	DETACHMENT FACILITY		
100-000		i		
Conneinl Name	aa Door	: =04		

Special Access Required.

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

GEORGIA

MOODY AFB (ACC) QSEU961000 871-183 UPGRADE STORM DRAINAGE SYSTEM

690

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Moody AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Moody AFB does not provide storm water runoff control measures from the industrial areas of the base. The lack of containment and berming allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent pollution of Mission Lake and associated wetlands and Grand Bay wetlands. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Moody AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA
AIR FORCE	(computer generated)	
3. INSTALLATIO	ON AND LOCATION	
	CE BASE, GEORGIA	Ţ —
4. PROJECT TITLE		5. PROJECT NUMBER
UPGRADE STORM	QSEU961000	
12. SUPPLEMEN	NTAL DATA:	
a. Estimate	ed Design Data:	
(1)		
(1) Sta		0.4 7777 0.1
1	Date Design Started	94 JUL 01
1	Parametric Cost Estimates used to develop of	
1 ' '	Percent Complete as of Jan 1995	35%
1 ' '	Date 35% Designed.	94 AUG 01
(e)	Date Design Complete	95 OCT 01
(2) Bas	sis:	
(a)	Standard or Definitive Design -	YES
(b)	Where Design Was Most Recently Used -	POPE
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):	(\$000)
, ,	Production of Plans and Specifications	41
1	All Other Design Costs	84
	Total	125
	Contract	100
(e)	In-house	25
(4) Con	struction Start	96 JAN
b. Equipment	associated with this project will be provide	ed from
other appropri		
-		

FY 1996 MILITARY CONSTRUCTION PROJECT DATA	DATE
AIR FORCE (computer generated)	

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

IDAHO

MOUNTAIN HOME AFB (ACC)
QYZH961000

UPGRADE STORM DRAINAGE SYSTEM

800

QYZH96100 871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Mountain Home AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Mountain Home AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators discharging to the storm drainage system. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Snake River. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Mountain Home AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

R FORCE (computer generated)	L. COMPONI	ENT			2. DATE	
INSTALLATION AND LOCATION NUNTAIN HOME AIR FORCE BASE, IDAHO PROJECT TITLE GRADE STORM DRAINAGE SYSTEM OYZH961000 SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (b) Where Design Was Most Recently Used - (c) Total (d) Contract (e) In-house (4) Construction Start PARAMETER OYZH961000 5. PROJECT NUMBEI OYZH961000 94 APR 01 95 APR 01 96 JAN 100 (a) Parametric Cost Estimates used to develop costs NO (b) All Other Designed. (a) Standard or Definitive Design - (b) All Other Design Was Most Recently Used - NO (c) Total (d) Contract (e) In-house (4) Construction Start 96 JAN Equipment associated with this project will be provided from	TD BODGE		FY 1996 MILITARY CONSTRUCTION PROJECT DAT	.'A		
PROJECT TITLE GRADE STORM DRAINAGE SYSTEM OYZH961000 SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - NA (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start SUPPLEMENTAL DATA: 5. PROJECT NUMBER OYZH961000 94 APR 01 358 368 368 379 409 510 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Complete (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 96 JAN Equipment associated with this project will be provided from		T D TT				
### PROJECT TITLE 5. PROJECT NUMBER GRADE STORM DRAINAGE SYSTEM QYZH961000 . SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started 94 APR 01	. INSIALI	DUTT.	on and booking			
### CRADE STORM DRAINAGE SYSTEM QYZH961000 **SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started						
. SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	4. PROJECT TITLE 5.			5. PRO	. PROJECT NUMBER	
a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	PGRADE ST	TORM	DRAINAGE SYSTEM	QYZ	ин961000	
(1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start 94 APR 03 (94 APR 03 (95 APR 05 (97 APR 05 (98 APR 05 (99 APR 05 (90 AP	2. SUPPI	LEMEI	NTAL DATA:			
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	a. Esti	imate	ed Design Data:			
(a) Date Design Started (b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(1)	S+ :	atue.			
(b) Parametric Cost Estimates used to develop costs (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(1)				94 APR 01	
(c) Percent Complete as of Jan 1995 (d) Date 35% Designed. 94 AUG 36 (e) Date Design Complete 95 AUG 01 (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 40 (4) Construction Start 96 JAN Equipment associated with this project will be provided from				osts	Y	
(d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start (4) Construction Start (5) And Start (c) Start (d) Start (e) Jan					35%	
(e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - NO (b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house 400 (4) Construction Start 96 JAN Equipment associated with this project will be provided from						
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from			_		95 AUG 01	
(a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from		_				
(b) Where Design Was Most Recently Used - N/A (3) Total Cost (c) = (a) + (b) or (d) + (e): (\$000 c) (a) Production of Plans and Specifications 40 (b) All Other Design Costs 100 (c) Total 140 (d) Contract 100 (e) In-house 40 (4) Construction Start 96 JAN Equipment associated with this project will be provided from	(2)					
(3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from						
(a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from		(a)	where Design was Most Recently Used -		N/A	
(b) All Other Design Costs (c) Total (d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from	(3)				(\$000	
(c) Total 140 (d) Contract 100 (e) In-house 40 (4) Construction Start 96 JAN Equipment associated with this project will be provided from						
(d) Contract (e) In-house (4) Construction Start Equipment associated with this project will be provided from					100	
(e) In-house 40 (4) Construction Start 96 JAN Equipment associated with this project will be provided from		(C)	Total		140	
(4) Construction Start 96 JAN Equipment associated with this project will be provided from					100	
Equipment associated with this project will be provided from		(e)	In-house		40	
	(4)	Con	struction Start		96 JAN	
ner appropriations: N/A				d from		
	her appr	opri	ations: N/A			
			•			

1. COMPONENT				2. DATE	
	FY	1996 MILITARY CONSTRUCTION PROJECT D	ATA		
AIR FORCE		(computer generated)		<u> </u>	
3. INSTALLAT	ION AND	LOCATION			
VARIOUS LOCA	rions -	WITHIN THE UNITED STATES			
4. PROJECT T			5. PR	OJECT NUMBE	R
PROJECTS \$1	MILLION	AND UNDER			
				COST	,
İ					
STATE AND LO	OCATION	PROJECT TITLE		<u>(\$000</u>	1
STATE AND D	JOHI TON			<u>, , , , , , , , , , , , , , , , , , , </u>	_

<u>NEVADA</u>

NELLIS AFB (ACC) RKMF961000 871-183 UPGRADE STORM DRAINAGE SYSTEM

600

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Installation of pollution control structures are required to divert runoff and prevent it from being contaminated. Nellis AFB does not provide adequate storm water runoff control measures from the industrial areas of the base as required by their NPDES Permit. Lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Sloan Channel which flows into Lake Mead. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Nellis AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

-			
1. COMPONENT			2. DATE
ATD BODGE	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated) ION AND LOCATION		
J. INSTRUMIT	TON AND LOCATION		
NELLIS AIR FO	DRCE BASE, NEVADA		
4. PROJECT TI	TLE	5. PR	OJECT NUMBER
UPGRADE STORM	DRAINAGE SYSTEM	RK	MF961000
12. SUPPLEME	NTAL DATA:		
Jan John Denie	MIAD DAIR.		
a. Estimat	ed Design Data:		
(1) St	atus:		
(a)			94 APR 15
(b)	Parametric Cost Estimates used to develop of	costs	Y
1	Percent Complete as of Jan 1995		35%
	Date 35% Designed.		94 MAY 03
(e)	Date Design Complete		95 JUL 15
(2) Ba			
	Standard or Definitive Design -		NO
(b)	Where Design Was Most Recently Used -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):		(\$000)
	Production of Plans and Specifications		36
	All Other Design Costs		114
(C)	Total		150
(d)	Contract		110
(e)	In-house		40
(4) Cor	nstruction Start		95 DEC
b. Equipment	associated with this project will be provide		
other appropri	associated with this project will be provide ations: N/A	a irom	

1. COMPONENT

FY 1996 MILITARY CONSTRUCTION PROJECT DATA
AIR FORCE (computer generated)

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

NEW MEXICO

CANNON AFB (ACC) CZQZ940022 UPGRADE STORM DRAINAGE SYSTEM

620

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirements for controlling storm water

environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirements for controlling storm water runoff under 40 CFR 122.26. The Storm Water National Pollution Discharge Elimination System (NPDES) permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Cannon AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Installing pollution control structures will divert runoff and prevent it from being contaminated. Cannon AFB does not provide storm water runoff control measures from the industrial areas of the base. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. There are oil/water separators discharging underground. The lack of berms allows drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. Control of storm water runoff is essential to prevent contamination of the North and South Playa Lakes on Cannon AFB. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Cannon AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		
1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT DA	2. DATE
AIR FORCE	(computer generated)	.TA
	ON AND LOCATION	
	on my boomion	
CANNON AIR FO	RCE BASE, NEW MEXICO	
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE STORM	DRAINAGE SYSTEM	CZQZ940022
12. SUPPLEME	NTAL DATA:	
12. SUPPLEME	NIAL DAIA:	
a. Estimat	ed Design Data:	
	on Jobeg. Juca.	
(1) St	atus:	
(a)	Date Design Started	94 MAR 01
(b)	Parametric Cost Estimates used to develop of	costs y
	Percent Complete as of Jan 1995	35%
(d)	Date 35% Designed.	94 JUN 16
(e)	Date Design Complete	95 JUN 30
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
	Where Design Was Most Recently Used -	N/A
(3) Tot	cal Cost (c) = (a) + (b) or (d) + (e):	(2000)
	Production of Plans and Specifications	(\$000) 10
	All Other Design Costs	77
1	Total	87
1	Contract	20
(e)	In-house	67
(4) Cor	struction Start	95 DEC
		i

b. Equipment associated with this project will be provided from other appropriations: N/A

1.	COMPONENT			2.	DATE	٦
		FY	1996 MILITARY CONSTRUCTION PROJECT DATA			
AII	R FORCE		(computer generated)			
3.	INSTALLATION	AND	LOCATION			

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

NORTH CAROLINA

SEYMOUR-JOHNSON AFB (ACC)

UPGRADE STORM DRAINAGE SYSTEM

830

VKAG931013 871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Seymour Johnson AFB will be required to certify that non-storm water discharges are not connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Seymour Johnson AFB does not provide storm water runoff control measures from the industrial areas of the base. There are oil/water separators that are hydraulically overloaded, deteriorated, and/or not functional. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-stormwater discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of the Neuse River and Stoney Creek. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Seymour Johnson AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ON AND LOCATION	
SEYMOUR JOHNS	ON AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TI	TLE	5. PROJECT NUMBER
UPGRADE STORM	DRAINAGE SYSTEM	VKAG931013
		
12. SUPPLEME	NTAL DATA:	
	al Barlan Bata	
a. Estimat	ed Design Data:	
(1) St	atus:	
· ·	Date Design Started	94 JUN 02
• • •	Parametric Cost Estimates used to develop of	- · · · · ·
	Percent Complete as of Jan 1995	35%
	Date 35% Designed.	94 SEP 30
, ,	Date Design Complete	95 JUL 01
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(p)	Where Design Was Most Recently Used -	N/A
(3) To	tal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a)	Production of Plans and Specifications	49
(b)	All Other Design Costs	51
(c)	Total	100
(d)	Contract	80
(e)	In-house	20
(4) Co	nstruction Start	96 JAN

b. Equipment associated with this project will be provided from other appropriations: N/A

٦	1. COMPONENT				2. DATE
		FY	1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA	
	AIR FORCE		(computer generated)		
	3. INSTALLAT	ION AND	LOCATION		
	VARIOUS LOCAT	rions -	WITHIN THE UNITED STATES		
	4. PROJECT T	ITLE		5. PF	ROJECT NUMBER
i					
	PROJECTS \$1 N	MILLION	AND UNDER		
-					
					COST
	STATE AND LO	CATION	PROJECT TITLE		<u>(\$000)</u>
	•				
1	TEXAS				
	BROOKS AFE	B (MTC)	ADD TO AND ALTER		233

COMMUNICATIONS FACILITY

Add to and alter a communications facility. (Current Mission) A properly configured and adequately sized communications facility is required to support the Video Teleconferencing Center (VTC). The VTC provides for the real time exchange of both classified and unclassified information between HO Air Force Material Command, Human Systems Center (HSC), and other Air Force bases throughout the United States. Brooks Air Force Base constructed a VTC through the FY 1989 operations and maintenance (O&M) program to provide for the real time exchange of information with organizations across the country. The entire project was financed with O&M funds instead of a mixture of equipment and construction funds. A subsequent Air Force Audit Agency audit recommended that construction funds should have been used to construct the facility which houses the VTC equipment. The audit also determined the total construction costs to be \$233,000. Since construction costs exceed the legal limit of \$200,000, which was in effect for O&M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY89 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

CNBC880088

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ra
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
BROOKS AIR FORCE BASE, TEXAS	
4. PROJECT TITLE	5. PROJECT NUMBER
ADD TO AND ALTER COMMUNICATIONS FACILITY	CNBC880088
12. SUPPLEMENTAL DATA:	
(Publication Parkers Parkers	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	88 AUG 21
(b) Parametric Cost Estimates used to develop of	costs N
(c) Percent Complete as of Jan 1995	100%
(d) Date 35% Designed.	88 DEC 15
(e) Date Design Complete	89 APR 30
(2) Basis:	
(a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	10
(b) All Other Design Costs	2
(c) Total	12
(d) Contract	
(e) In-house	12
(4) Construction Start	89 SEP
b. Equipment associated with this project will be provide	ed from
other appropriations: N/A	
-	

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATION	AND LOCATION	
VARIOUS LOCATIO	NS - WITHIN THE UNITED STATES	

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

4. PROJECT TITLE

PROJECT TITLE

(\$000)

5. PROJECT NUMBER

TEXAS

KELLY AFB (MTC) MBPB911249 131-111 COMMUNICATIONS FACILITY

353

struct a communications facility (Current Mis

Construct a communications facility. (Current Mission) A secure Video Teleconferencing (VTC) facility is needed to discuss classified information with representatives of Headquarters Air Force Material Command and other Air Force bases. The facility must comply with communications and electronic security requirements. The existing VTC is located on the fourth floor of the wing headquarters building. Numerous mission essential functions on this base rely heavily on the VTC to discuss and transmit defense information. However, classified information cannot be discussed in the existing VTC because utilities throughout the building emanate electronic or audio signals. The only access to the VTC is via three flights of steep and narrow stairs to the fourth floor of the wing headquarters building. These stairs make the VTC inaccessible to handicapped personnel. Also, parking lots around the headquarters building are extremely congested. These factors made it impractical to reconfigure the existing VTC, so a project for a new VTC was initially programmed in the FY91 O&M program. Design was completed and construction started; however, construction was halted when it became evident that the cost would exceed O&M construction limits set by law (\$200K at the time). Congressional approval and authorization through the MILCON process are needed so that construction can be completed. The capability to discuss and handle classified information through a VTC system will not exist at Kelly Air Force Base. Additional travel expenses will be incurred and the accomplishment of numerous mission support functions will be restricted or delayed. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAY	TA
AIR FORCE	(computer generated)	
3. INSTALLAT	ION AND LOCATION	
KELLY AIR FOR	RCE BASE, TEXAS	
4. PROJECT T	· · · · · · · · · · · · · · · · · · ·	5. PROJECT NUMBER
COMMUNICATION	NS FACILITY	MBPB911249
12. SUPPLEME	ENTAL DATA:	
a. Estimat	ted Design Data:	
(1) St	catus:	
	Date Design Started	91 MAY 05
	Parametric Cost Estimates used to develop of	costs N
• • • • • • • • • • • • • • • • • • • •	Percent Complete as of Jan 1995	100%
	Date 35% Designed.	91 JUN 01
(e)	Date Design Complete	91 JUL 09
(2) Ba	sis:	
(a)	Standard or Definitive Design -	NO
(b)	Where Design Was Most Recently Used -	N/A
(3) To	otal Cost (c) = (a) + (b) or (d) + (e):	(\$000)
	Production of Plans and Specifications	16
l control of the cont	All Other Design Costs	4
	Total	20
(d)	Contract	
(e)	In-house	20
(4) Co	nstruction Start	91 SEP
	associated with this project will be provide	d from
other appropr	lations: N/A	•

1. COMPONENT				2. DATE
	FY	1996 MILITARY CONSTRUCTION PROJECT DAY	ΓA	
AIR FORCE		(computer generated)		
3. INSTALLATI	ON AND	LOCATION		
VARIOUS LOCAT	rions -	WITHIN THE UNITED STATES		
4. PROJECT TI	TLE		5. P	ROJECT NUMBER
PROJECTS \$1 N	MILLION	AND UNDER		
				COST
STATE AND LO	CATION	PROJECT TITLE		<u>(\$000)</u>
VIRGINIA				

LANGLEY AFB (ACC) MUHJ910440B 610-284 ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY

263

610-284

Alter an Air Combat Command Headquarters facility. (Current Mission) Provide a safe, dry, structurally stable and asbestos free facility for the support of Headquarters staff offices and functions. Include provisions for proper fire egress, low maintenance exterior finishes, adequate building and grounds run-off, and improved insect and fungi prevention measures. In addition, ensure that all improvements are in accordance with National Historic Preservation Act regulations. This project was executed in the FY91 operation and maintenance (O&M) program to eliminate numerous deficiencies. A subsequent audit by the Air Force Audit Agency stated that construction funds should have been used to alter this facility. Since construction costs exceeded the amount of \$200,000, which was the legal limit in effect for O&M construction at that time, the project must now be congressionally approved and authorized through the MILCON process. The Air Force will be unable to reimburse the FY91 O&M appropriation as required by law and recommended by the auditor. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in the Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
TANALEY ATE BORON DAGE WITHOUT	
LANGLEY AIR FORCE BASE, VIRGINIA 4. PROJECT TITLE	E DDO TECT NUMBER
4. PROJECT TITLE	5. PROJECT NUMBER
ALTER AIR COMBAT COMMAND HEADQUARTERS FACILITY	MUHJ910440B
12. SUPPLEMENTAL DATA:	
12. SUITEMENTAL DATA.	
a. Estimated Design Data:	
(1) Status:	
(a) Date Design Started	91 JAN 30
(b) Parametric Cost Estimates used to develop of	
(c) Percent Complete as of Jan 1995	100%
(d) Date 35% Designed.	91 MAR 20
(e) Date Design Complete .	91 JUL 03
(2) Basis:	
(2) Basis: (a) Standard or Definitive Design -	NO
(b) Where Design Was Most Recently Used -	NO N/P
(b) where besign was most kecentry used -	N/A
(3) Total Cost (c) = (a) + (b) or (d) + (e):	(\$000)
(a) Production of Plans and Specifications	15
(b) All Other Design Costs	12
(c) Total	27
(d) Contract	
(e) In-house	27
(4) Construction Start	91 DEC
b. Equipment associated with this project will be provide	ed from
other appropriations: N/A	

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
1		

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - WITHIN THE UNITED STATES

5. PROJECT NUMBER 4. PROJECT TITLE

PROJECTS \$1 MILLION AND UNDER

COST

STATE AND LOCATION

PROJECT TITLE

(\$000)

VIRGINIA

LANGLEY AFB (ACC) MUHJ953006

UPGRADE STORM DRAINAGE SYSTEM

1000

871-183

Upgrade storm drainage system. (Current Mission) This is a Level II environmental compliance requirement. This project is necessary to satisfy the Clean Water Act requirement under 40 CFR 122.26 for storm water discharge. The Storm Water National Pollution Discharge Elimination System (NPDES) Permit was issued in 1994. As part of the permit, the base is required to be in compliance with their Storm Water Pollution Prevention Plan by 1997. Langley AFB will be required to certify that no non-storm water discharges are connected to the storm drainage system. Corrective actions are necessary to eliminate these non-storm water discharges. Langley AFB does not provide storm water runoff control measures from the industrial areas of the base, as required by the storm water NPDES permit. The lack of containment and berming allow drainage from potential spill sites in heavy industrial areas to discharge into various waterways and watersheds. There are existing non-storm water discharges into the storm drainage system which are not allowed by the NPDES Permit. Control of storm water runoff is essential to prevent contamination of Back River, Hampton Roads and the Chesapeake Bay. Control measures proposed for this plan are in accordance with the base's Storm Water Pollution Prevention Plan. Langley AFB will continue to risk contaminating its storm water runoff, thereby subjecting the base to enforcement action, monetary penalties and significant adverse publicity. If the project is not accomplished by the established deadline, the base will be in violation of the law and subject to receiving Notices of Violation (NOVs) and fines up to \$25,000 per day per violation. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

FY 1996 MILITARY CONSTRUCTION PROJECT D (computer generated) INSTALLATION AND LOCATION NGLEY AIR FORCE BASE, VIRGINIA PROJECT TITLE GRADE STORM DRAINAGE SYSTEM SUPPLEMENTAL DATA: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total (d) Contract	5. PROJECT NUMBE MUHJ953006 94 MAY 14 costs 359 94 SEP 19
INSTALLATION AND LOCATION NGLEY AIR FORCE BASE, VIRGINIA PROJECT TITLE GRADE STORM DRAINAGE SYSTEM . SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	94 MAY 14 costs 359 94 SEP 15
NGLEY AIR FORCE BASE, VIRGINIA PROJECT TITLE GRADE STORM DRAINAGE SYSTEM . SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	94 MAY 14 costs 359 94 SEP 15
PROJECT TITLE GRADE STORM DRAINAGE SYSTEM . SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	94 MAY 14 costs 359 94 SEP 15
PROJECT TITLE GRADE STORM DRAINAGE SYSTEM . SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	94 MAY 14 costs 359 94 SEP 15
GRADE STORM DRAINAGE SYSTEM SUPPLEMENTAL DATA: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total	94 MAY 14 costs 359 94 SEP 15
 SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	94 MAY 14 costs 359 94 SEP 19
 SUPPLEMENTAL DATA: a. Estimated Design Data: (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	94 MAY 14 costs 359 94 SEP 19
 (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (1) Status: (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (a) Date Design Started (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (b) Parametric Cost Estimates used to develop (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	costs 359 94 SEP 19
 (c) Percent Complete as of Jan 1995 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	359 94 SEP 15
 (d) Date 35% Designed. (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	94 SEP 19
 (e) Date Design Complete (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	
 (2) Basis: (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	
 (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	95 SEP 20
 (a) Standard or Definitive Design - (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	
 (b) Where Design Was Most Recently Used - (3) Total Cost (c) = (a) + (b) or (d) + (e): (a) Production of Plans and Specifications (b) All Other Design Costs (c) Total 	NO
(a) Production of Plans and Specifications(b) All Other Design Costs(c) Total	N/A
(a) Production of Plans and Specifications(b) All Other Design Costs(c) Total	(\$000
(b) All Other Design Costs(c) Total	(\$000
(c) Total	40
	100
/ ·· /	66
(e) In-house	34
(4) Construction Start	96 JAN
, , , , , , , , , , , , , , , , , , ,	JO Office
Equipment associated with this project will be providuer appropriations: N/A	

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
2 THEMATIAMION	AND LOCATION	

INSTALLATION AND LOCATION

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE

5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

FEDERAL REPUBLIC OF GERMANY

SPANGDAHLEM AB (AFE)

SOUND SUPPRESSOR FOUNDATION

600

VYHK946009 211-183

Construct a sound suppressor foundation (T-9). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from closing Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. The T-9 sound suppressor is used for power checks on engines after they are removed from the aircraft. (A T-11 sound suppressor, requested in a separate project, is used for power checks on engines attached to the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-9 sound suppressor, and the companion T-11 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 50 percent NATO construction cost share but the estimated US cost share exceeds the O&M minor construction statuatory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this

1. COMPONENT 2.	DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES	
4. PROJECT TITLE 5. PROJECT	CT NUMBER
PROJECTS \$1 MILLION AND UNDER	

COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

7				
1. COMPONENT		ITARY CONSTRUCTION		2. DATE
AIR FORCE	ON AND LOCATION	(computer generated	i)	
J. INDIALDAII	ON AND LOCATION			
SPANGDAHLEM A	AIR BASE, GERMAN	Y		j
4. PROJECT TI	TLE		5.	PROJECT NUMBER
SOUND SUPPRES	SOR FOUNDATION			VYHK946009
12. SUPPLEME	ENTAL DATA:			
a. Estimat	ed Design Data:			
(1) St	atus:			
(a)		arted		94 FEB 21
, ,		st Estimates used t	o develop cost	
(c)	Percent Comple	ete as of Jan 1995	·	100%
	Date 35% Design			94 MAR 10
(e)	Date Design Co	omplete		94 NOV 05
(2) Ba	sis:			
		efinitive Design -		NO
(p)	Where Design W	as Most Recently U	sed -	A/N
(3) To	tal Cost (c) = (a) + (b) or (d) +	(e):	(\$000)
(a)		Plans and Specific	ations	30
1	All Other Desi	gn Costs		60
1	Total			90
1	Contract In-house			50
(=)	In-nouse			40
(4) Co.	nstruction Start			95 NOV
		this project will	be provided f	rom
other appropr	iations:			
			FISCAL YEAR	
EQU:	IPMENT	PROCURING	APPROPRIATED	
NOME	NCLATURE	APPROPRIATION	OR REQUESTED	i
T-9 SOUND SUP	DDFSSOD	3000	1006	
1 9 BOOKE SOF	RESSOR	3080	1996	1550
		•	•	

•	1. COMPONENT					2. Di	ATE
	F	Y 1996 MILITA	RY CONSTRUCTION P	ROJECT DAT	ΓA		
	AIR FORCE	(co	mputer generated)				
	3. INSTALLATION AND	D LOCATION					
_	VARIOUS LOCATIONS -	- OUTSIDE THE	UNITED STATES				
	4. PROJECT TITLE				5.	PROJECT	NUMBER
_	PROJECTS \$1 MILLION	N AND UNDER					
							3
Į							COST
	COUNTRY AND LOCATI	ION	PROJECT TITLE				(\$000)
	FEDERAL REPUBLIC C	OF GERMANY					
	•						
	SPANGDAHLEM AB ((AFE)	SOUND SUPPRESSOR	FOUNDATIO	N		950
	VYHK946011						

Construct a sound suppressor foundation (T-11). (New Mission) This project is required to support the increased engine test requirements due to the relocation of F-15 aircraft from the closure of Bitburg AB. An adequate sound suppression facility for engine testing is required to effectively and safely perform power checks on aircraft engines after their repair. The T-11 sound suppressor is used for checks performed with the engines installed on the airframe. Sound suppression is required for these tests to allow full power checks with minimum annoyance to base population and the surrounding civilian communities. (The T-9 sound suppressor, requested in a separate project, is used for power checks on engines after they are removed from the aircraft.) The base has a capacity to perform a maximum of 55 engine runs per month. Its assigned aircraft (F-16, F-15 and A-10), when all are on station, will generate a requirement to perform 70 runs per month. To meet this increased workload, the only acceptable work around will be to transport the delta (15 engines per month) to Ramstein AB for testing. At a cost of \$2,000 per engine for truck transport, and an initial start-up cost of approximately \$690,000 for the Ramstein facilities, this work around will total about \$1 million in the first year. Installation of the T-11 sound suppressor, and the companion T-9 sound suppressor proposed in another project, will cost a total of \$1.55 million. The cost avoidance of using the off-site facilities will pay back the cost of these two projects in about 18 months. The on-site testing capability will also preclude the requirement to transport engines (costing about \$4 million each) over land, on poor roads and often in poor weather conditions. Aircraft cannot be maintained and the Wing's flying mission and sortie rate will decrease to unacceptable levels. operational requirement to perform 70 engine runs per month on base will not be possible. The only acceptable work around (off-base testing) will be initiated greatly impacting command funding. This project is partially NATO eligible. This project is programmed in the NATO Capability package, however, the capability package is not yet approved. Current estimates predict a 54 percent NATO construction cost share but the estimated total US share exceeds the O&M minor construction statuatory limit. Additionally, NATO funding will not be received in time to avoid a severe mission impact. A precautionary prefinancing statement was submitted to NATO to allow recoupment of US funds. All known alternatives were considered during the development of this project. No other option could meet the mission requirements. There is no criteria/scope for this

211-183

1. COMPONENT					2. D	ATE
	FY 1996 MI	LITARY CONSTRUCTION	PROJECT DAT	ΓΆ		
AIR FORCE		(computer generate	d)			
3. INSTALLAT	ON AND LOCATION	ON				
VARIOUS LOCAT	TIONS - OUTSIDE	THE UNITED STATES				
4. PROJECT TI	TLE			5.	PROJECT	NUMBER
PROJECTS \$1 N	AILLION AND UND	DER				
						COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT	<u> </u>				I a = = = = = = = = = = = = = = = = = =
1. COMPONENT		ITARY CONSTRUCTION	DDO TECT DA	m n	2. DATE
AIR FORCE		(computer generate		IA	
3. INSTALLATI	ON AND LOCATION	(compared generate	<u> </u>		
	AIR BASE, GERMAN	<u> </u>			
4. PROJECT TI	TLE	,		5. PRO	DJECT NUMBER
COUNT CURRENCE		,			
SOUND SUPPRES	SOR FOUNDATION			VYI	K946011
12. SUPPLEME	ENTAL DATA:				
a. Estimat	ed Design Data:				
(1) St	atus:				
, , ,	Date Design St	arted			94 FEB 01
		st Estimates used t	co develop d	costs	Y
		te as of Jan 1995	4		100%
	Date 35% Desig				94 MAR 01
(e)	Date Design Co	mplete			94 NOV 01
(2) Ba	sis:				
(a)	Standard or De	finitive Design -			NO
		as Most Recently U	Jsed -		N/A
(3) To	tal Cost (c) = (a) + (b) or (d) +	(e):		(\$000)
		Plans and Specific			30
	All Other Desi	gn Costs			60
1	Total				90
	Contract				50
(e)	In-house				40
(4) Cor	nstruction Start				95 NOV
b. Equipment	associated with	this project will	be provide	d from	
other appropri	lations:				
			FISCAL Y	EAR	İ
EQUI	PMENT	PROCURING	APPROPRIA		COST
NOMEN	ICLATURE	APPROPRIATION	OR REQUES		(\$000)
SOUND SUPPRESS	SOR	3080	1996		3342

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

SHOP

PROJECTS \$1 MILLION AND UNDER

COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

FEDERAL REPUBLIC OF GERMANY

SPANGDAHLEM AB (AFE)

ADD TO MISSILE MAINTENANCE

930

VYHK946839

212-213

Add to Missile Maintenance Shop. (New Mission) An adequate facility is required to inspect, maintain, and repair the five missile types assigned. The addition of two new missile types to the Spangdahlem arsenal resulted from the beddown of F-15 aircraft from Bitburg AB. Due to the safety requirements associated with working on numerous and different weapons systems, coupled with the additional workload resulting from the increased missile inventory at the base, the existing facility requires the addition of one maintenance bay. The existing maintenance facility was barely able to support the missile maintenance workload at Spangdahlem which had only three types of missiles. The addition of the F-15 aircraft and its two new missile types has caused a severe overload, and missile maintenance at acceptable production and safety levels is not possible. The operation required 24 hour per day, seven days per week shift work to meet the workload for three missile types in an acceptably safe manner. The space available in the existing structure makes it impossible to work on more than one missile type at a time, resulting in labor intensive work arounds to satisfy safety requirements associated with keeping these weapons systems properly segregated. No other work arounds are available that will allow the existing facility to safely support the workload that has resulted from the addition of two new missile types. The availability and reliability of missiles will continue to degrade, thereby increasing the risk of a catastrophic accident. Without this addition, the risks to which personnel are exposed will remain unacceptable. The missile maintenance function will not be able to support the base mission. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. project is partially NATO eligible. This project is programmed in the NATO Capability Package, however, the Capability Package is not yet approved. Current estimates predict a 53 percent NATO construction cost share but the estimated total US cost share exceeds the O&M minor construction statuatory limit. A prefinancing statement was issued. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements".

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA	
AIR FORCE	(computer generated)	· · · · · · · · · · · · · · · · · · ·	
3. INSTALLATIO	ON AND LOCATION		
SPANGDAHLEM A	IR FORCE, GERMANY		
4. PROJECT TI		5. PRO	JECT NUMBER
DD TO MISSILE	E MAINTENANCE SHOP	VYF	IK946839
.2. SUPPLEMEN	·		
2. SUPPLEME	VTAL DATA:		
a. Estimate	ed Design Data:		
	•		
(1) Sta			
	Date Design Started		94 FEB 01
	Parametric Cost Estimates used to develop of	costs	Y
	Percent Complete as of Jan 1995 '		30%
• •	Date 35% Designed.		94 MAR 10
(e)	Date Design Complete		94 JUL 20
(2) Bas	is:		
`´(a)	Standard or Definitive Design -		NO
	Where Design Was Most Recently Used -		N/A
(3) Tot	al Cost (c) = (a) + (b) or (d) + (e):		(0000)
(a)	Production of Plans and Specifications		(\$000)
	All Other Design Costs		8 2
	Total		10
• •	Contract		10
, ,	In-house		10
(4) Con	struction Start		95 NOV

b. Equipment associated with this project will be provided from other appropriations: N/A

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE

3. INSTALLATION AND LOCATION

VARIOUS LOCATIONS - OUTSIDE THE UNITED STATES

4. PROJECT TITLE 5. PROJECT NUMBER

PROJECTS \$1 MILLION AND UNDER

COST

COUNTRY AND LOCATION

PROJECT TITLE

(\$000)

ITALY

AVIANO AB (AFE) ASHE983004 141-489

SQUADRON OPERATIONS FACILITY

950

Construct a squadron operations facility. (New Mission) This facility is required to accommodate the move of the 603d Air Control Squadron (ACS) from Sembach AB, Germany to Aviano AB, Italy. Space is required for squadron management, mission planning, briefing/debriefing, training, mobility operations, and logistics functions. The 603 ACS move from Sembach AB, Germany to Aviano AB, Italy was completed in July 1994. The squadron occupied existing facilities to the maximum extent possible at

Aviano, but available space is 6000 SF short of the total required. The shortfall has been satisfied by acquiring temporary facilities, but a permanent structure must be provided as soon as possible to allow the 603 ACS to complete its beddown and resume efficient operations. The base was unable to provide permanent foundations or provide plumbing for the temporary facilities, forcing personnel to use temporary rest rooms. There are no other permanent facilities available on or off base to accommodate these functions. The 603 ACS will not be able to adequately

and efficiently meet its mission requirements. It will continue to use temporary facilities, degrading its efficiency and impacting the morale of its personnel. All known alternative options were considered during the development of this project. No other option could meet the mission requirements. This project is not eligible for NATO funding. This type of facility is not within an established NATO infrastructure category for common funding and will most likely continue to be a user responsibility.

However, a precautionary prefinancing statement will be submitted to NATO in the event criteria change for these type of facilities. There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project does meet the

criteria/scope specified in Air Force Manual 86-2, "Standard Facility

Requirements".

1. COMPONENT		2. DATE	C
	ITARY CONSTRUCTION PROJECT DAT	CA	
AIR FORCE	(computer generated)		
3. INSTALLATION AND LOCATION			
AVIANO AIR BASE, ITALY			
4. PROJECT TITLE		5. PROJECT NU	MBER
SQUADRON OPERATIONS FACILITY		ASHE983004	<u> </u>
12. SUPPLEMENTAL DATA:			
a. Estimated Design Data:			
(1) Status:			
(a) Date Design S		94 JU	N 17
	st Estimates used to develop c	osts	Y
(c) Percent Compl			30%
(d) Date 35% Desi	-	95 FE	
(e) Date Design C	omplete	95 MA	Y 01
(2) Basis:			
(a) Standard or De	efinitive Design -	NO	
(b) Where Design	Was Most Recently Used -	N/A	
(3) Total Cost (c) =	(a) + (b) or (d) + (e):	(\$000)
(a) Production of	Plans and Specifications		30
(b) All Other Des.	ign Costs		95
(c) Total			125
(d) Contract			95
(e) In-house			30
(4) Construction Start	:	95	NOV
b. Equipment associated with other appropriations: N/A	n this project will be provided	d from	
,			

FY 1996 NARRATIVE SUMMARY

This Military Family Housing request supports the policy that excellent housing facilities be provided for all military members and their families and that continual improvement in quality is the measure of excellence. We depend first on the local community to meet our housing needs. When local community housing is not available, military family housing will meet contemporary community living standards. Our housing inventory is operated and maintained at a standard that protects from deterioration, and maintains the quality level established by previous Congressional appropriations. Our goal is to provide quality homes that meet contemporary whole-house standards.

Family housing is one of the most important quality of life issues in the Air Force. Improving or replacing our aging housing inventory is our top facility priority. Our military members and their families expect and deserve homes which meet current standards of livability. In the era of downsizing, we cannot afford to lose highly trained Air Force members because adequate housing on or near our military installations is not available. Also, we cannot afford to let our existing military family housing inventory deteriorate, or fail to modernize it to reduce operating costs.

This budget provides a balanced program between construction, operations, maintenance, and leasing. Construction projects will replace worn-out and substandard homes in areas which violate airfield clearance and noise exposure criteria. We continue to propose projects to provide new support facilities at installations with the greatest need. The total construction funding level indicates the Air Force's commitment to replace or revitalize our existing inventory to meet contemporary standards. We are concentrating on our oldest homes and replacing or improving as economic analysis indicates.

The operations, maintenance, and leasing accounts predominately support "must pay" requirements such as civilian pay, service contracts, lease contracts, utilities, and required maintenance to keep existing housing units from further deteriorating. The maintenance account also supports our goal to arrest the deferred maintenance and repair (DMAR) growth as much as possible within our fiscal constraints.

Also, the furnishings account provides for required government furniture overseas and initial issue of appliances to support new housing throughout the Air Force.

We believe this funding profile represents a well balanced program to achieve quality of life goals for military families within the fiscal constraints imposed. We respectfully request full and complete support for the Air Force family housing needs presented in this request.

INDEX

SUBJECT SUBJECT	PAGE
FAMILY HOUSING NARRATIVE	435
INDEX	437
SUMMARY	441
LEGISLATIVE LANGUAGE	442
Authorization Appropriation	
PROGRAM AND FINANCING SCHEDULES	446
NEW CONSTRUCTION	465
New Construction Purpose and Scope	467
Elmendorf AFB AK Davis Monthan AFB AZ Little Rock AFB AR Beale AFB CA Edwards AFB CA Edwards AFB CA Vandenberg AFB CA Peterson AFB CO Bolling AFB DC Eglin AFB FL Eglin AUX Field 9 FL MacDill AFB FL Patrick AFB FL Tyndall AFB FL Tyndall AFB FL Moody AFB GA Mountain Home AFB ID McConnell AFB KS Barksdale AFB LA Keesler AFB MS Whiteman AFB MO Nellis AFB NV	469 471 475 479 481 485 491 493 497 499 501 503 507 511 515 521 525 529 533
NeIlls Arb NV Holloman AFB NM Kirtland AFB NM	537 541

INDEX

SUBJECT	PAGE
NEW CONSTRUCTION FY 1996 CONTINUED	
Pope AFB NC Seymour Johnson AFB NC Shaw AFB SC Dyess AFB TX Lackland AFB TX Sheppard AFB TX McChord AFB WA Andersen AFB GU Incirlik AB TK	545 549 553 555 561 565 569 571
POST ACQUISITION CONSTRUCTION Purpose and Scope	575
FY 1996 1391	576
Alaska Colorado District of Columbia Florida Georgia Hawaii Illinois New Jersey North Carolina Ohio Virginia Wyoming Australia Germany Guam	577 577 578 579 580 581 582 583 583 584 585 586
Post Acquisition Over \$50,000 per Unit FY 1996	587
Peterson AFB CO Air Force Academy CO Moody AFB GA Hickam AFB HI Scott AFB IL McGuire AFB NJ	588 590 592 594 596 598

INDEX

SUBJECT	PAGE
Over \$50,000 Continued	
Pope AFB NJ Wright Patterson AFB OH FE Warren AFB WY	602 604 606
Overseas Woomera AS AU	608
ADVANCE PLANNING AND DESIGN FY 1996	610
OPERATIONS AND MAINTENANCE SUMMARY	
Narrative Inventory and Funding Summary FH-2	612 615
OPERATIONS	616
Management OP-5 FY95/96 Services OP-5 FY95/96 Furnishings OP-5 FY95/96 Miscellaneous OP-5 FY95/96	617 619 621 623
UTILITIES OP-5 FY95/96	625
MAINTENANCE OP-5 FY95/96	628
DMAR Chart Historical Housing Costs	631 633
MAINTENANCE AND REPAIR OVER \$15,000 PER UNIT FY 1996	634
GENERAL OFFICER QUARTERS OVER \$25,000 PER UNIT FY 1996	640
DEIMPHICARIE DROCRAM OD-5 FV95/96	643

INDEX

SUBJECT	PAGE
LEASING	
OP-5 FY95/96 Exhibit FH-4, Leasing (Other than Section 801 & 802) Exhibit FH-4A, High Cost Foreign Leased Units Exhibit FH-5, Section 801 Leases	645 649 650 651
DEBT PAYMENTS	652

FINANCIAL SUMMARY

AUTHORIZATION FOR APPROPRIATION REQUESTED FOR FY 1996 (\$ in Thousands):

FUNDING PROGRAM FY 1996

Construction Post-Acquisition Construction Design and Advance Planning		\$154,955 85,059 <u>8,989</u>
Appropriation Request: Construction		\$249,003
Operations, Utilities and Maintenance Operating Expenses Utilities Maintenance	127,009 197,539 408,971	\$733,519
Leasing - Worldwide		\$115,665
Debt Payment Debt Reduction Interest Payments Servicemen's Mortgage Insurance Premiums SUBTOTAL	0 0 29	29
Appropriation Request: O&M Leasi	na.	
and Debt Payment		\$849,213
Appropriation Request		\$1,098,216
Reimbursement Program		\$13,151
FY 1996 Family Housing Program		\$1,111,367

Authorization Language

SEC. 2302. FAMILY HOUSING

(a) CONSTRUCTION AND ACQUISITION. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may construct or acquire family housing units (including land acquisition) at the installations, for the purposes, and in the amounts set forth in the following table:

STATE	<u>INSTALLATION</u>	PURPOSE	AMOUNT
Alaska	Elmendorf AFB	Housing Office and Maintenance Facility	\$ 3,000,000
Arizona	Davis-Monthan AFB	80 Units	\$ 9,498,000
Arkansas	Little Rock AFB	1 Unit	\$ 210,000
California	Beale AFB	Housing Office	\$ 842,000
	Edwards AFB	67 Units	\$ 11,350,000
	Vandenberg AFB	143 Units	\$20,200,000
	Vandenberg AFB	Housing Office	\$ 900,000
Colorado	Peterson AFB	Housing Office	\$ 570,000
District of Columbia	Bolling AFB	32 Units	\$ 4,100,000
Florida	Eglin AFB	Housing Office	\$ 500,000
	Eglin Aux Field 9 (Hurlburt Field)	Housing Office and Maintenance Facility	\$ 880,000

<u>STATE</u>	INSTALLATION	<u>PURPOSE</u>	AMOUNT
Florida (cont'd)	MacDill AFB	Housing Office	\$ 646,000
	Patrick AFB	70 Units	\$ 7,947,000
	Tyndall AFB	52 Units	\$ 5,500,000
Georgia	Moody AFB	3 Units	\$ 513,000
Idaho	Mountain Home AFB	Housing Office	\$ 844,000
Kansas	McConnell AFB	39 Units	\$ 5,193,000
Louisana	Barksdale AFB	62 Units	\$10,299,000
Mississippi	Keesler AFB	98 Units	\$ 9,300,000
Missouri	Whiteman AFB	72 Units	\$ 9,948,000
Nevada	Nellis AFB	6 Units	\$ 1,357,000
New Mexico	Holloman AFB	1 Unit	\$ 225,000
	Kirtland AFB	105 Units	\$11,000,000
North Carolina	Pope AFB	104 Units	\$ 9,984,000
	Seymour Johnson AFB	1 Unit	\$ 204,000
South Carolina	Shaw AFB	Housing Maintenance Facility	\$ 715,000
Texas	Dyess AFB	Housing Maintenance Facility	\$ 580,000
	Lackland AFB	67 Units	\$ 6,200,000
	Sheppard AFB	Housing Office	\$ 500,000

STATE	<u>INSTALLATION</u>	PURPOSE	AMOUNT
	Sheppard AFB	Housing Maintenance Facility	\$ 600,000
Washington	McChord AFB	50 Units	\$ 9,504,000
Guam	Andersen AFB	Housing Office	\$ 1,700,000
Turkey	Incirlik AFB	150 Units	\$ 10,146,000

(b) PLANNING AND DESIGN. - Using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may carry out architectural and engineering services and construction design activities with respect to the construction or improvement of military family housing units in an amount not to exceed \$8,989,000.

SEC. 2303. IMPROVEMENT TO MILITARY FAMILY HOUSING UNITS

Subject to section 2825 of title 10, United States Code, and using amounts appropriated pursuant to the authorization of appropriations in section 2304(a)(5)(A), the Secretary of the Air Force may improve existing military family housing units in an amount not to exceed \$85,059,000.

SEC. 2304. AUTHORIZATION OF APPROPRIATIONS, AIR FORCE

(a) IN GENERAL

- (5) for Military Family Housing functions -
 - (A) For construction and acquisition of military family housing and facilities, \$249,003,000.
 - (B) For support of military family housing (including functions described in section 2833 of title 10, United States Code), \$849,213,000 of which not more than \$115,665,000 may be obligated or expended for leasing of military units worldwide.

Appropriation Language

For expenses of family housing for the Air Force for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operations and maintenance, including debt payment, leasing, minor construction, and insurance premiums, as authorized by law as follows: for [FY95] and FY96 Construction, [\$277,444,000] \$249,003,000, for Operations and Maintenance, and Debt Payment[\$824,845,000] \$849,213,000; in all [\$1,102,289,000] \$1,098,216,000: Provided: That the amount for construction shall remain available until September 30, [1999] 2000.

	FISCAL YEAR
r Force	of dollars)
g Construction, Air	
ousing	Financing (in Thousands
FBB11y H	Dres mergord

1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Budget P HOUSING	Budget Plan (amounts for FAMILY HOUSING actions programed)	for FAMILY amed)	
Identifi		1994 sectus	1994 sctus 1995 est.	est. 1996 est.	1997 est.
1 GL	Program by activities:				
01.0201	Post Acquisition Construction Planning and design	 		1 1 1 1 1 1	
1018.10	Total direct program				
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
10.0001	Total				
	Financina:				
17.0001	17.0001 Recovery of prior year obligations Unobligated balance available, start of year:				
21.4002	For completion of prior year budget plans				
21.4009	Reprograming from/to prior year budget plans Unoblicated balance expiring	133			
39.0001					
1111111					

			Obligations		
Identification code	57-7040-0-1-051	1994 soctos	1995 est. 1996	1996 est.	1997 est
program by mettivities: Direct program:	rest brogram: Post Acquisition Construction Planning and design	2,593			
01.9101 Total direct program	t program	1			
10.0001 Total		3,044	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	
Financing: .0001 Recovery of	Financing: 17.0001 Recovery of prior year obligations	-159			
Unobligated .4002 For comple	Spiance bysite of the control of the	-3,018			
21,4009 Reprogrami 25,0001 Unobligated	Reprograming from/to prior year budget plans Unobligated balance expiring	133	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1
39,0001 Budget authority	uthority			- 1	

Identifi 01.0101 01.0201 01.0301 01.9101 10.0001 17.0001 21.4002 22.0001 24.4002	1 014 #	Femily Housing Construction, Air Force Program and Financing (in Thousands of dollars) Program by activities: 01.0101	8 18	FISCAL VEAR 1991 Budget Plan (amounts for HOUSING actions programed) actual 1995 est. 199 actual 1995 est. 199	AT 10	1997 est.
39.0001	Budget authority	uthority				

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1991
Obligations

nt 1 f 1 c	Identification code	57-7040-0-1-051	1994 actual	994 gctus! 1995 est. 1996 est.	1996 est.	1997 est.
74	Propries by schildiss		+ + + + + + + + + + + + + + + + + + +			
•	Direct program:	: Est	1			
01.0101	Construct	Construction of new housing	101	1,929		
01.0201	Post Acqu.	Post Acquisition Construction	6,620	4,949		
01.0301	Planning	Planning and design				
1018.10	Total dire	Total direct program	8,765	6,878		
					111111111	
10.000.01	Total	,	8,765	6,878		
L	Financing:					
.0001	Recovery of	17.0001 Recovery of prior year obligations	-2,842			
21,4002	For compl	For completion of prior year budget plans	-13,752	-6,878		
21,4009	Reprogram	Reprograming from/to prior year budget plans				
22.0001	Unobligated	Unobligated balance transferred to other accounts	156			
24 4002	Unobligated For compa	obligated balance available, end of year: For completion of orior year budget plans	6,878			
100			1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
39.0001	Budget	39.0001 Budget authority				

	Family Housing Construction, Air Force Program and Financing (in Thousands of dollars)	ce lars) FISCAL VEAR 1992	AR 1992		
	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Budget Plan (amounts for FAMILY HOUSING actions programed)	(smounts fo	or FAMILY	
Identifi	Identification code 57-7040-0-1-051	1994 sectors 19	1995 est.	1996 est.	1997 est.
01.0101 01.0201 01.0301	Program by activities: Direct program: Construction of new housing Post Acquisition Construction Planning and design				
01.9101	Total direct program				
			1 1 1 1 1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	
10.0001	Total				
17.0001	Financing: Recovery of prior year obligations Unobligated balance available, start of year:				
21,4002	For completion of prior year budget plans	-6,400			
21.4003	Available to finance new books promis Reprograming from/to prior year budget plans	-2,068			
22.0001	Unobligated balance transferred to other accounts Unobligated balance available, end of year: nor nompletion of prior year budget plans	0 0 0 1			
2004.47		-6.400	• • • • • • • • • • •	1 1 1 1 1 1 1 1	1 1 1 1 1 1 1
40.0001					

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1992

Identification code	57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est
Program by activities:					
•	Construction of new housing	1,698	1,303	1,459	
01.0201 Post Acquisition Co. 01.0301 Planning and design	Post Acquisition Construction Planning and design	577	000	•	
01.9101 Total direct program	t program	21,081	7,163	19,947	
10.0001 Total		21,081	7,163	19.947	f
Financing: .0001 Recovery of p		-10,374			
Unobligated b 21.4002 For complet 21.4003 Available t	Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans	-39,885 -6,400	-27,110	-19,947	
ā	Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts	2,068			
Unobligated b 24.4002 For complet	iobligated balance available, end of year: For completion of prior year budget plans	27,110	19,947	 1 1 1 1 1 1	1 1 1
40.0001 Budget author	Budget authority (Appropriation rescinded) (

			Budget	Budget Plan (amounts for HOUSING actions programed)	for FAMILY	
ent 1 f 1 c1	Identification code	57-7040-0-1-051	1994 sctcs1	1995 est.	1996 est.	1997 est.
Pre 01.0101 01.0201 01.0301	Program by activities: Direct program: Construction of new Post Acquisition Co	read by activities: Construction of new housing Post Acquisition Construction	- !			
1016.10	Total dir	Total direct program	1 6 6 6 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 1 1 1		1
10.0001	Total					
71.0001 21.4002 21.4003 21.4009 22.0001	Financing: Recovery of Unobilgated For compl Available Reprogram Unobilgated	Inancing: Recovery of prior year obligations Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budget plans Unobligated balance transferred to other accounts Unobligated balance available, end of year: En rompletion of prior year budget plans	-48,702 -10,000 10,000	-		
	Budget auth	Budget authority (Appropriation rescinded) (-48,702	1		

Family Mousing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1993
Obligations

Identification code	code 57-7040-0-1-051	1994 actual	1995 est.	94 actual 1995 est. 1996 est. 1997 est	1997 est.
E#CBOCG					
ā	Direct program:	21,623	12,999	5,736	
01.0101 Cons	Construction of new housing	970 770	10.463	1,395	
	Post Acquisition Construction	3.122	559	75	
01.0301 PIER	TOTAL DE GRAND CONTRACTOR CONTRAC			!!!!!!!!!!	
01.9101 Tota	Total direct program	68,924	24,021	7,206	
		1 1 1 1 1 1 1 1	1 1 1 1 1 1 1 1 1 1		
10.0001 Total		68,924	24,021	7,206	
Financing:	:6t	-2 435			
'.0001 Recov	17.0001 Recovery of prior year obligations Unobligated balance available, start of year:		0	0.0	
	For completion of prior year budget plans	-111,489	000.66-		
21.4003 AVA	regraming from/to prior year budget plans				
ວັ:	Unobigated balance transferred to other accounts	00.0			
Unob! 24.4002 For	Unobilgated datance available, end of year. For completion of prior year budget plans	35,000	10,979	3,773	
40.0001 Budge	Budget authority (Appropriation rescinded) (-48,702			į

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1994
Budget Plan (amounts for FAMILY

		_	HOUSING actions programed)	ramed)	
Identifi	57-7040-0-1-051	1994 sectus 1995	1995 est.	1995 est. 1996 est.	1997 est
UL 	Program by activities:				
01.0101	Construction of new housing Post Acquisition Construction Planning and design	102,064		8 8 8 8 1 1 1 8	
1018.10	Total direct program	189,035			
		111111111111111111111111111111111111111	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 1 1 1 1	
10.0001	Total	189,035			
_	Financing:				
21.4002	For completion of prior year budget pl Unobligated balance transferred to other	-2,000			
24.4002	Unobligated balance available, end of year: For completion of prior year budget plans			 	
000	á	187,035			

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL YEAR 1994
Obligations

					100.
Identification code	57-7040-0-1-051	1994 BOTUBI	1995 681.	1990 OST.	. 180 / DB-
Program by activities:					
5		57.872	31,197	5,645	
01.0101 0019 1.0011		59,128	10,524	4.507	
		4,623	1,190	1,190	
		111111111	1 1 1 1 1 1 1 1 1 1		
01.9101 Total dire	Total direct program	121,623	42,911	11,342	
		1 1 1 1 1		! ! ! ! ! ! ! !	
10.0001 Total		121,623	42,911	11,342	
Financing: Unobligated	nancing: Unobijaated balance svallable, start of year:			;	
21.4002 For comple	For completion of prior year budget plans	c c	-67,412	-24,501	
22,0001 Unobligated		-2.000			
Unobligated 24.4002 For comple	Unobligated balance available, end of year: For completion of prior year budget plans	67,412		13,159	
	Budget authority (Appropriation)	187,035			

8 8 8 8 8 1 1 1		1997 est.				* 4 + 1 + 1 + 1 + 1		1				
	for FAMILY	1996 ast.						; 				
FISCAL YEAR 1995	Budget Plan (amounts for FAMILY HOUSING actions programed)	1995 est.		206,399	9.275	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	277.444	110	277,554	-110		
	Budget P HOUSING	1994 actual				1 1 1 1 1 1 1						
Family Housing Construction, Air Force Program and Financing (in Thousands of dollars)		-22	Program by activities:	rect program: Construction of new housing	Post Acquisition Construction	Planning and design	Total direct program	03.0101 Reimbursable Program		Offsetting collections from: Offsetting collections from: Offsetting collections from: Offsetting collections from: Offsetting collections from:	7.5	ompletion of prior year budget plans
	 	Identification code	rogram by	Direct program: Construction	Post Ac	Plannir	Total C	Reimburs	Total	Financing: Offsetting Federa		
	!	Identifi		01.0101	01.0201	01.0301	1016.10	03.0101	10.0001	11.0001	21.4002	24.4002

277,444

40.0001 Budget authority (Appropriation)

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1995
Obligations

program by activities: Direct program: 01.0101 Construction of new housing 01.0201 Post Acquisition Construction 01.0301 Planning and design 01.9101 Total direct program				
9.0		t		
Direct program: O1.0101 Construction of new housing O1.0201 Post Acquisition Construction O1.0301 Planning and design O1.9101 Total direct program O3.0101 Reimbursable Program				
~ ~		119.864	47,459	
~ ~		28 414	21,002	
~ ~		4.267	928	
8			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
æ		152.545	69,389	
			•	
		110		
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1 1 1 1 1 1 1 1	
		152,655	69,389	
10.0001 Total				
Etoactoo:				
Offsetting collections from:		-110		
	Second Of Version		-124,899	
21.4002 For completion of prior year budget				
		124,899	55,510	
24,4002 For completion of prior year			11111111	
		277,444		

			Budget Plan (amounts for HOUSING actions programed)	amounts f ns progra	or FAMILY med)	
ent 1 f 1	Identification code 57-7040-0-1-051	1994 actual		1995 est.	1996 est.	1997 est
	program by activities: Direct program:				154,955	
01.0101	Construction of new housing Post Acquisition Construction				85,059	
.0301	Planning and design					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
01.9101	Total direct program				249,003	
03.0101	Reimbursable Program				260	
					249,263	
100001	Total					
	Financing: Offsetting collections from:				-260	
11.0001	Federal funds(-) Unoblicated balance available, start of year:					
21.4002	For completion of prior year budget plans inchiloated balance systisple, end of year:					
24.4002	For completion of prior year budget plans		1 1 1 1 1 1 1 1	!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
					249,003	

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) FISCAL VEAR 1996
Obligations

Identification code 57-7040-0-1-051	1994 actual 1995 es	1995 est.	1996 est.	1997 est.
program by activities:		; ; ; ; ; ; ; ; ; ; ;		
Direct program:			700 00	
01.0101 Construction of new housing			40.616	
			40.04	
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7 I	
EMPOCTO + 1007-2			136,835	
			•	
CO COCCAMPINEST POLOCIAM			260	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		11111111	
10.0001 Total			137,095	
minancing:				
Offsetting collections from:			-260	
e available, start o				
-				
Unobilgated balance available, end of	-		112 168	
24,4002 For completion of prior year budget plans	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			
			249,003	

Family Housing Construction, Air Force Program and Financing (in Thousands of dollars) SUMMARY

		Budget HOUSING	Budget Plan (amounts for HOUSING actions programed)	for FAMILY amed)	
Identific	Identification code 57-7040-0-1-051	1994 actual	1995 est.	1996 est.	1997 est.
01.0101	Program by activities: Direct program: Construction of new housing Post Acquisition Construction	102,064 75,070 11,901	206.399 61,770 9,275	154,955 85,059 8,989	
01.0301	TO BELL CAROLUM BI	189,035	277,444	249,003	
	and a proposal		110	260	
10.0001	Total	189,035	277,554	249,263	
11.0001	Financing: Offsetting collections from: Federal funds(-)		-110	-260	
21.4003 21.4003 21.4009	Nectorally of the property of year: Unobligated balance available, start of year: For completion of prior year budget plans Available to finance new budget plans Reprograming from/to prior year budget plans	-55,102 -13,152 11,019			
22.0001 24.4002 35.0001	Unobligated balance transferred to order account to the balance available, end of year: For completion of prior year budget plans	133		1 1 2 3 4 4	
40.0001	Budget authority (Appropriation)	131,933	277,444	249,003	•
71.0001 72.4001 74.4001 77.0001	Adjustments in unexpired accounts Adjustments in unexpired accounts				
90.0001	Outlays (net)			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	6 0 1 1 1 1

Family Housing Construction, Air Force
Program and Financing (in Thousands of dollars) SUMMARY
Obligations

	1994 801081	1995 est.	1996 est.	1997 est
Discrete to mortications				
20	81,300	167,292	152,383	
01.0101 Construction of new nousing	131,326	59,910	86,008	
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0-0-0		
	223,437	233,518	244,719	
Ċ		. 110		
	223,437	233,628	244,979	
10.0001				
Financing:			,	
	-15,810	-110	-260	
æ :			000	
* *	-168,144 -55,102	-136,400	976,081-	
	•			
Unobligated balance transferred to oth	8.0*			
	136,400	180,326	184,610	
ວັ	00-11-11-11-11-11-11-11-11-11-11-11-11-1	1 1 1 1 1 1 1 1 1		
0	131,933	277,444	249,003	ı
palation of obligations to outlays:	0000	913 666	244 719	
71,0001 Obligations incurred	334 057	270.945		
	-270,945	,	1	
74.4001 Obligated balance, end of year 77.0001 Adjustments in expired accounts (net)	-10,321 -15,810			
	260,417	198,692	206.098	

Family Housing Construction, Air Force Object Classification (in Thousands of dollars) SUMMARY

Identification code 57-7040-0-1-051	1994 actual 1995 est. 1996 est. 1997 est.	1995 est.	1995 est. 1996 est. 1997 est.	1997 est.
Ofrect obligations:	223,437	233,518	244,719	
199.001 Total Direct obligations	223,437	233,518	244,719	
Reimbursable obligations: 232.001 Land and structures		110	260	
299.001 Total Reimbursable obligations		110	260	
999.901 Total obligations	223,437	233,628	244,979	

Family Housing Operations & Debt, AF Program and Financing (in Thousands of dollars)

1 4		1994 actual	1995 est.	1996 est.	1997 est
	1				
<u>.</u>	Officet program:	301.740	304,918	324,548	
02.0101	Operating expenses	102,173	112,757	115,665	
02.0201	Leasing Maintenance of real property	392,287	407,144	408,971	
02.0501	Mortgage insurance premiums		824 BAS	849.213	i
02.9101	Total direct program	77'06'		12. 61	
	Deimhirsable Program	10,422	13,33	- 1 - 1 - 1 - 1 - 1	i
03.0.50		806,643	838,176	862,364	
10.0001	Total obligations				
L	Financing:		-3,707	-3,714	
11.0001		-9,262	-9,624	-9,437	
14.0001	Non-rederal sources() Unobligated balance transferred from other accounts (-)	9,403		1	1
25.0001	Unobiigated balance expiring		824 B45	849.213	ı
40.0001	Budget authority (Appropriation)	7-6-06/			<u> </u>
1	Relation of obligations to outlays:	796,221	824,845	849,213	
71.0001	Obligations incurred paraivables from other government accts. SOY	446.880	375,351	407,780	
72.4001	Obligated balance, start of year	264	-407 780	-431,512	
74.4001	Obligated balance, end of year	-21,600	•		1
77.0001	Adjustments in expirate successions	846,123	792,152	825,481	
90,0001	Outlove (set)				

Family Mousing Operations & Debt, AF Object Classification (in Thousands of dollars)

	1994 actual	1995 est.	1996 est.	1997 est.
Direct obligations:	\$ { \$ { \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$		+ 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
121.001 Travel and transportation of persons	1.035	1.021	1 041	
122.001 Transportation of things	164	164	170	
123.201 Rental payments to others	77.826	74.182	104 693	
Other services with the Drivete sector				
125.203 Contracts with the private sector	113, 129	114 390	112 088	
	556.337	581,230	575 332	
٦			•	
Payments to foreign national indirect	2	2	•	
126.001 Supplies and materials	29.381	34.880	36.288	
131.001 Equipment	14.794	15, 264	15.792	
132.001 Land and structures	3,553	3,692	3,807	
199.001 Total Direct obligations	796,221	824,845	849,213	
Reimbursable obligations: Other services with the orivate sertor				
225.204 Other charges with the private sector	10,422	13,331	13,151	
299.001 Total Reimbursable obligations	10,422	13,331	13,151	
999.901 Total obligations	806,643	838,176	862,364	

NEW/CURRENT MISSION ACTIVITIES

In compliance with the Senate Appropriations Committee Report (100-380) on the FY 1989 Military Construction Appropriation Act, the Air Force has included the following exhibit that displays construction projects requested in two separate categories: new mission and current mission. "New Mission" projects are projects that support deployment and beddown of new weapon systems, new program initiatives, and major mission expansions. "Current mission" projects are projects that either replace inadequate existing facilities or construct new facilities which are not available to meet current requirements.

NEW CONSTRUCTION

LOCATION	MISSION	NUMBER OF <u>UNITS</u>	REQUESTED AUTHORIZATION <u>AMOUNT (\$000)</u>
Whiteman AFR MO	New	72	9,948
Whiteman AFB MO Pope AFB NC	New	104	9,984
REPLACEMENT HOUSING		0.0	9,498
Davis Monthan AFB AZ	Current	80	210
Little Rock AFB AR	Current	1	
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA	Current	143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current	98	9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour Johnson AFB No	Current	1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB	Current	150	10,146

Page No. 465

SUPPORT FACILITIES

Elmendorf AFB AK	Current HSG Offc & Mnt Fac	3,000
Beale AFB CA	Current HSG Offc	842
Vandenberg AFB CA	Current HSG Offc	900
Peterson AFB CO	Current HSG Offc	570
Eglin AFB FL	Current HSG Offc	500
Eglin Aux Fld9 FL	Current HSG Offc	880
Egilli Aux Flus II	& Mnt Fac	
MacDill AFB FL	Current HSG Offc	646
Mountain Home AFB ID	Current HSG Offc	844
Shaw AFB SC	Current HSG Maint	715
Blidw APD BC	Facility	
Dyess AFB TX	Current HSG Maint	580
Dyess AID IX	Facility	
Sheppard AFB TX	Current HSG Offc	500
Sheppard AFB TX	Current HSG Maint	600
Sheppara mib in	Facility	
Andersen AFB GU	Current HSG Offc	1,700
macron mb		
NEW MISSION TTL		19,932
CURRENT MISSION TOTAL		135,023
IMPROVEMENTS		85,059
		2 222
PLANNING AND DESIGN		8,989

NEW CONSTRUCTION

<u>Program (In Thousands)</u>
FY 1996 Program \$154,955
FY 1995 Program \$206,399

Purpose and Scope

This program provides for the construction of new homes where the local community cannot provide adequate housing and replacement of existing homes, where improvements are not economically feasible for Air Force personnel, and support facilities where existing facilities are inadequate. Cost reflect all amounts necessary to provide complete and usable facilities.

Program Summary

Authorization is requested for:

Construction of 176 new units, replacement of 1,027 units and 13 support facilities.

A summary of the funding program for FY 1996 is as follows:

LOCATIONS NEW HOUSING	MISSION	NUMBER OF UNITS	REQUESTED AUTHORIZATION AMOUNT (\$000)
Whiteman AFB MO	New	72	9,948
Pope AFB NC	New	104	9,984
REPLACEMENT HOUSING	7		
D-Monthan AFB AZ	Current	80	9,498
Little Rock AFB AR		1	210
Edwards AFB CA	Current	67	11,350
Vandenberg AFB CA		143	20,200
Bolling AFB DC	Current	32	4,100
Patrick AFB FL	Current	70	7,947
Tyndall AFB FL	Current	52	5,500
Moody AFB GA	Current	3	513
McConnell AFB KS	Current	39	5,193
Barksdale AFB LA	Current	62	10,299
Keesler AFB MS	Current	98	9,300
Nellis AFB NV	Current	6	1,357
Holloman AFB NM	Current	1	225
Kirtland AFB NM	Current	105	11,000
Seymour-J AFB SC	Current	1	204
Lackland AFB TX	Current	67	6,200
McChord AFB WA	Current	50	9,504
Incirlik AB TK	Current	150	10,146

SUPPORT FACILITIES			
Elmendorf AFB AK	Current	Hsg Office	3,000
	& Maint	Facility	
Beale AFB CA	Current	Hsg Office	842
Vandenberg AFB CA	Current	Hsg Office	900
Peterson AFB CO	Current	Hsg Office	570
Eglin AFB FL	Current	Hsg Office	500
Hurlburt Field	Current	•	880
narrauro rres		& Maint Fac	
MacDill AFB FL	Current	Hsg Office	646
Mt Home AFB ID	Current	Hsg Office	844
Shaw AFB SC	Current	Hsg Maint Fac	715
Dyess AFB TX	Current	Hsg Maint Fac	580
Sheppard AFB TX	Current	Hsg Office	500
Sheppard AFB TX	Current	Hsg Maint Fac	600
Andersen AFB GU	Current	Hsg Office	1,700
		-	
New Mission			19,932
Current Mission Tot	al		135,023
Improvements			85,059
Planning & Design			8,989
Grand Total			249,003

1. COMPONENT			2. DATE
· F	Y 1996 MILITARY CO	NSTRUCTION PROJECT	DATA
AIR FORCE	(compute	r generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT	TITLE
		HOUSING MAN	AGEMENT/MAINTENANCE
ELMENDORF AIR FORC	E BASE, ALASKA	FACILITY	
5. PROGRAM ELEMENT		7. PROJECT NUMBER	8. PROJECT COST(\$000)
08.87.41	610-119	FXSB963018	3,000
	9. COST	ESTIMATES	

9. COST ESTIMATE				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT/MAINTENANCE FACILITY	SF	13,800	160	2,208
SUPPORTING FACILITIES				501
UTILITIES	LS			(110)
PAVEMENTS	LS			(110)
SITE IMPROVEMENTS	LS			(48)
COMMUNICATIONS	LS		ļ	(55)
ENVIRONMENTAL	LS			(<u>178</u>)
SUBTOTAL			ļ	2,709
CONTINGENCY (5%)	1	!		<u>135</u>
TOTAL CONTRACT COST				2,844
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)]		<u> 156</u>
TOTAL REQUEST		ļ		3,000
]		
	ļ	<u> </u>		
	!	!		
		ļ		
AREA COST FACTOR 1.73				

|10. Description of Proposed Construction: Reinforced concrete structure, | concrete slab foundation and roofing system. Facility includes space for | housing management and maintenance functions. Includes utilities, fire | suppression system, prewiring for workstations, parking, site improvements | and environmental compliance.

REQUIREMENT: 13,800 SF ADEQUATE: 0 SUBSTANDARD: 14,419 SF PROJECT: Housing Management and Maintenance Facility. (Current Mission). REQUIREMENT: An adequate facility is required for managing base owned and operated family housing assets and for assisting all arriving personnel in finding on/off-base housing. The facility will contain all management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Play areas will provide a safe, secure, and attractive environment for children of customers. A housing maintenance facility is required to provide for the care and repair of family housing units owned or under control of the Air Force. The facility will contain workshops, office, supply/storage, and self help services. A larger facility is required because of the long winter season and the remoteness of Alaska which increases the storage space requirements. Typical design criteria is provided in the AF MFH Support Facilities Design Guide which suggests 11,500 SF, but provides flexibility for more space where needed. CURRENT SITUATION: Housing management is currently located in a WWII, condition code 3, wooden building which is expensive to heat and requires an excessive amount of maintenance. This office is one of the first stop that incoming personnel come in contact with. The facility does not leave a good first impression of the base. The maintenance facility which the

The COMPONENT I	2. DATE
1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATE	ra i
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
	,
ELMENDORF AIR FORCE BASE, ALASKA	
4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING MANAGEMENT/MAINTENANCE FACILITY	FXSB963018
HOODING PRESIDENT, 1-1-1-1	

maintenance contractor was located in burnt down on 16 April 1994. As an interim measure, the contractor is operating out of an old indoor firing range which has been committed for disposal. The facility is inadequate in size to properly operate an efficient and effective maintenance operation.

IMPACT IF NOT PROVIDED: The Air Force will continue to spend an excessive amount on utilities and maintenance on a facility which has outlived its usefull life. The housing maintenance function will continue to occupy a facility which is committed for disposal and inadequate for the maintenance contractor's use. Housing management and customer service personnel will continue to work in an inadequate facility which degrades the level of performance and service they are capable of providing.

ADDITIONAL: There is no criteria/scope for this project in Part II of Military Handbook 1190, "Facility Planning and Design Guide". However, this project meets the criteria/scope specified in Air Force Manual 86-2, "Standard Facility Requirements". An economic analysis has been prepared comparing the alternatives of new construction, renovate existing facilities and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

							1 -			
1. COMPONENT							2	. DAI	'E	
FY	1996 MILITA	RY CON	ISTRUC	TION	PROGE	MAS	ļ			
AIR FORCE	(compi	iter g	genera				<u> </u> ·			
3. INSTALLATION AND LO	CATION		4. CC	MMAND			5	. ARE	A CONS	Г
DAVIS-MONTHAN AIR FOR	CE BASE,	,					İ	COS	T INDE	X
ARIZONA			AIR C	OMBAT	COM	IAND		0.	96	
6. PERSONNEL	PERMANE	ЙT	SI	UDENT	S	SUP	PORTE)		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL	
a. As of 30 SEP 94	831 4813	1440				10	40	400	7,53	4
b. End FY 2000	875 4987	1278				10	40	400	7,59	0
	7. INVE	TORY	DATA	(\$000)					
a. Total Acreage: (10,615)									
b. Inventory Total As	Of: (30 SE)	P 94)					28	31,21	.7	
c. Authorization Not							:	13,75	0	
d. Authorization Reque	ested In This	s Prog	gram:					9,49	8	
e. Authorization Incl				am:	(FY 1	L997)			0	
f. Planned In Next For		_							0	
g. Remaining Deficience	•								0	
h. Grand Total:	•						3	04,46	55	
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY 1	.996						
CATEGORY						COST	DE	SIGN	STATUS	
CODE PROJ	ECT TITLE		2	COPE		(\$000	S'	TART	CMPL	
			_							
711-142 REPLACE MILI	TARY FAMILY			80	UN	9,49	3 TUI	RN KE	Ϋ́	
HOUSING (PH	ASE 3)									
	-			TOTAL	:	9,49	_ 3			
9a. Future Projects:	Included i	n the	Follo	wing	Progr	cam (F	Y 199	7) NC	NE	

Typical Planned Next Four Years: 9b. Future Projects:

|10. Mission or Major Functions: Headquarters 12th Air Force; a wing with two fighter training squadrons responsible for training all A/OA 10 aircrews, one A/OA-10 fighter squadron, two EC-130 electronic combat squadrons, and one EC-130 airborne command and control squadron; an Air Force Reserve HH-60 rescue squadron; an Air National Guard air defense detachment (F-16 aircraft); and Air Force Materiel Command's Aerospace Maintenance and Regeneration Center.

			2. DATE
1. COMPONENT		THE PROTECT DATA	
<u>'</u>	FY 1996 MILITARY CONST		
AIR FORCE	(computer o	generated)	1
		4. PROJECT TITLE	
3. INSTALLAT	ION AND LOCATION	REPLACE MILITARY FAM	ILY
 DATE MONTUAL	N AIR FORCE BASE, ARIZONA	HOUSING (PHASE 3)	
DAVIS-MONTHAL	LEMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJE	CT COST (\$000)
5. PROGRAM E	LEMENT 6. CATEGORY CODE /.	FROODET NOIDEN	i

711-142

FBNV950011

9. COST ESTIMATE	S			
7. 5352 2022			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE MILITARY FAMILY HOUSING (PH 3)	UN	80	71,280	5,702
SUPPORTING FACILITIES	İ			2,872
MISCELLANEOUS SUPPORT	LS	İ	ļ	(127)
SITE PREPARATION	LS			(163)
ROADS AND PAVING	LS	j l		(302)
ROADS AND PAVING	LS	İ		(326)
LANDSCAPING AND NEIGHBORHOOD IMPROVMNT	LS	İ	1	(163)
RECREATION	LS	j		(144)
RECREATION GARAGES AND STORAGE	LS	İ		(903)
DEMOLITION (82 UN, INCL ASBESTOS/LBP)	LS	i		(<u>745</u>)
!	j	İ	!	8,574
SUBTOTAL CONTINGENCY (5%)	Ì			429
TOTAL CONTRACT COST	İ	j		9,003
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	İ			495
'	i	ĺ		9,498
TOTAL REQUEST	i	i		
	į	İ		
AREA COST FACTOR .96	<u>i</u>		<u> </u>	

10. Description of Proposed Construction: Replace 80 housing units. Includes demolition of 82 units, replacement/upgrade of utility systems and roads, and design/construction of new single/duplex housing units. Provides normal amenities, to include appliances, parking, air conditioning, garages, patios, privacy fencing, playgrounds and recreation areas. Includes asbestos and lead-based paint removal and solar considerations.

UNIT TYPE JNCO 3BR JNCO 4BR	NET	PROJECT	\$/	NO.	TOTAL COST
	<u>AREA</u>	FACTOR	NSF	<u>UNITS</u>	4,147,200
	1200	. 96	60	60	1,555,200
	1350	. 96	60	<u>20</u>	5,702,400
				80	5,702,400

11. REQUIREMENT: 3,168 UN ADEQUATE: 2,021 UN SUBSTANDARD: 1,105 UN | PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Davis-Monthan AFB. All units will meet "whole house" standards and are | programmed in accordance with Phase "A" of the Housing Community Plan. | Replacement housing will provide a safe, comfortable, and appealing living | environment comparable to the off-base civilian community. This is the | third of multiple phases to provide adequate housing for base personnel. | Of the units to be replaced in this multi-phase initiative, 134 are | completed or included in prior programs. The replacement housing will | provide a modern kitchen, living room, family room, and bath | configuration, with ample interior and exterior storage and garages. The | basic neighborhood support infrastructure will be upgraded to meet modern

Page No

8.87.41

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE	(computer generated)	
3. INSTALLATI	ON AND LOCATION	
	TO TO THE PLOT AD TOWN	
DAVIS-MONTHAN	AIR FORCE BASE, ARIZONA	
4. PROJECT T	TLE	. PROJECT NUMBER
 REPLACE MILIT	PARY FAMILY HOUSING (PHASE 3)	FBNV950011

housing needs. 82 units are to be replaced with 80 with units in order to provide a less dense housing area and make room for community recreational and landscaped areas.

CURRENT SITUATION: This project replaces appropriated housing units which were constructed in 1975. These poorly/cheaply constructed units are deteriorating rapidly. While these are the newest units on base, they are in the worst condition because of the poor quality construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations and exterior pavements require major repair or replacement due to the effects of age and the environment. Pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring throughout the house is outdated, and contains evidence of asbestos. Plumbing and electrical systems are outdated and require abnormal maintenance and repair. Electrical circuits do not meet National Electric Code requirements. Lighting systems throughout the houses are inefficient and do not meet modern needs. Exterior storage is inadequate. There are no patios for outside living or entertaining. Some units fall short of authorized living space.

IMPACT IF NOT PROVIDED: Major morale problems will result because some people will continue to occupy substandard housing while neighbors and friends are in upgraded units. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable off-base housing is not available. The current Housing Market Analyses for the base shows a projected deficit of 40 units, thus adequate or affordable off-base housing is unavailable and not an option for military families. Without this and subsequent phases of this initiative, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement in living quality.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. Improvement costs represent 76% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. This project will be executed as a Request For Proposal. This project demolishes 82 housing units and constructs 80 to permit a reduction of density.

MILITARY FAMILY HOUSING JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996		REPORT CO DD-A&L(AR	NTROL SYN)1716	IBOL			
3. DOD COMPONENT 4. REPORTING INST	TALLATION			b. LOCATI	ON						
AIR FORCE a. NAME 5. DATA AS OF DAVIS-I	MONTHAN AIR FORCE BASE					TUSCON, ARIZONA					
31 JANUARY 1992						PROJECT	TED				
ANALYSIS		URRENT	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL			
OF	OFFICER (a)	E9-E4 (b)	(c)	(d)	(e)	(f)	(g)	(h)			
REQUIREMENTS AND ASSETS 6. TOTAL PERSONNEL STRENGTH	141	(0)	1.7								
6. TOTAL PERSONNEL STRENGTH	516	2,998	894	4,408	730	3,224	865	4,819			
7. PERMANENT PARTY PERSONNEL	516	2,998	894	4,408	730	3,224	865	4,819			
8. GROSS FAMILY HOUSING REQUIREMENTS	365	2,199	275	2,839	529	2,372	267	3,168			
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	7	92	31	130							
a. INVOLUNTARILY SEPARATED	0	0	0	0							
b. IN MILITARY HOUSING TO BE	اه	0	0	0							
DISPOSED/REPLACED c. UNACCEPTABLE HOUSED IN COMMUNIT		92	31	130							
10. VOLUNTARY SEPARATIONS	0	0	0	0	0	0	0	0			
11. EFFECTIVE HOUSING REQUIREMENTS	365	2,199	275	2,839	529	2,372	267	3,168			
12. HOUSING ASSETS (a + b)	368	2,152	255	2,775	541	2,339	248	3,128			
a. UNDER MILITARY CONTROL	133	1,106	0	1,239	132	1,107	0	1,239			
(1) HOUSED IN EXISTING DOD	133	1,106	١ ,	1,239	132	1,107	0	1,239			
OWNSD/CONTROLLED (2) UNDER CONTRACT/APPROVED	133	1,100		,,,,,,	0	0	0	c			
(3) VACANT	0	0	0	0							
(4) INACTIVE	0	0	0	0							
b. PRIVATE HOUSING	235	1,046	255	1,536	409	1,232	248	1,88			
(1) ACCEPTABLY HOUSED	225	1,001	244	1,470							
(2) ACCEPTABLE VACANT RENTAL	10	45	11	66							
13. EFFECTIVE HOUSING DEFICIT	(3)	47	20	64	(12)	33	19	41			
14. PROPOSED PROJECT					0	80	0	8			

15. REMARKS

1. COMPONENT							2	. DAT	Έ
FY 1996 MILITARY CONSTRUCTION PROGRAM									
AIR FORCE	(comp	uter o	genera	ated)			1		
3. INSTALLATION AND L	OCATION		4. CC	CINAMM			5	. ARE	A CONST
			İ					COS	T INDEX
LITTLE ROCK AIR FORCE	BASE, ARKAN	ISAS	AIR C	COMBAT	COM	IAND		0.	80
6. PERSONNEL	PERMANE	ENT	S	TUDENT	3]	SUP	PORTE		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
a. As of 30 SEP 94	665 3675	642				1	17		•
b. End FY 2000	704 3601	532				1	17	50	4,905
	7. INVE	ENTORY	DATA	(\$000))				
a. Total Acreage: (7,210)								
b. Inventory Total As							1	91,68	
c. Authorization Not								8,05	
d. Authorization Requ			gram:					21	.0
Total									
e. Authorization Incl			Progr	ram:	(FY)	L997)			0
f. Planned In Next Fo	our Program Y		Progr	ram:	(FY)	L997)			0
	our Program Y		Progr	ram:	(FY)	L997)			0
f. Planned In Next Fog. Remaining Deficienh. Grand Total:	our Program Y	ears:			(FY 3	L997)	1	99,94	0
f. Planned In Next Fog. Remaining Deficien	our Program Y	ears:		ram: 1996	(FY I				0 0 11
f. Planned In Next Fog. Remaining Deficienh. Grand Total:	our Program Y	ears:	FY 3	1996	(FY]	COST	DE	SIGN	0 0 1 STATUS
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY	our Program Y	ears:	FY 3		(FY)		DE		0 0 11
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ	our Program Y ocy: O IN THIS PRO JECT TITLE	ears:	FY 3	1996 SCOPE		COST (\$000	DE	SIGN TART	0 0 11 STATUS CMPL
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE	our Program Y ocy: O IN THIS PRO JECT TITLE	ears:	FY 3	1996 SCOPE	UN	COST	DE	SIGN	0 0 11 STATUS CMPL
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ	our Program Y ocy: O IN THIS PRO JECT TITLE	ears:	FY 3	1996 SCOPE 1	UN	COST (\$000	DE) S	SIGN TART	0 0 11 STATUS CMPL
f. Planned In Next Fog. Remaining Deficien h. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING	our Program Y ncy: O IN THIS PRO JECT TITLE ERAL OFFICER	GRAM:	FY 3	1996 SCOPE 1 TOTAL	UN -	COST (\$000 21	<u>DE</u>) <u>S</u>	SIGN TART RN KI	STATUS CMPL
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING 9a. Future Projects:	our Program Y ncy: O IN THIS PRO JECT TITLE ERAL OFFICER : Included in	GRAM:	FY :	1996 SCOPE 1 TOTAL	UN : Progr	COST (\$000 21 21 cam (F	<u>DE</u>) <u>S</u>	SIGN TART RN KI	STATUS CMPL
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING 9a. Future Projects: 9b. Future Projects:	our Program Youry: O IN THIS PROJECT TITLE ERAL OFFICER : Included in Typical Pl	GRAM:	Follo Next	SCOPE TOTAL Dwing Four	UN : Progr	COST (\$000 21 21 cam (F	DE) S .0 TU .0	SIGN TART RN KI	STATUS CMPL
f. Planned In Next Fog. Remaining Deficien h. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING 9a. Future Projects: 9b. Future Projects: 10. Mission or Major	our Program Y ncy: O IN THIS PRO JECT TITLE ERAL OFFICER : Included in Typical Plans of Functions:	GRAM: in the lanned An a	Follo Next	1996 TOTAL wing Four t wing	UN : Prog: Year: witl	COST (\$000 21 21 ram (F3: n four	DE) S 0 TU 0 TY 199	SIGN TART RN KH	O O O O O O O O O O O O O O O O O O O
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING 9a. Future Projects: 9b. Future Projects: 10. Mission or Major squadrons, one of whi	our Program Your P	in the lanned An a C-130	Follo Next irlife	1996 TOTAL wing Four t wing ning f	UN Progr Years with	COST (\$000 21 21 21 cam (FS: n four ll Dou	DE DE O TU	SIGN TART RN KI	O O O O O O O O O O O O O O O O O O O
f. Planned In Next Fog. Remaining Deficienth. Grand Total: 8. PROJECTS REQUESTED CATEGORY CODE PROJ 711-142 REPLACE GENE HOUSING 9a. Future Projects: 9b. Future Projects: 10. Mission or Major	our Program Youry: O IN THIS PROJECT TITLE ERAL OFFICER : Included in Typical Plantions: ich conducts in Air National	in the lanned An a C-130 al Gua	Follo Next irliff train	TOTAL owing Four t wing ning frift	UN Progr Years with or a	COST (\$000 21 21 21 cam (FS: n four ll Dou	DE DE O TU	SIGN TART RN KI	O O O O O O O O O O O O O O O O O O O

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION	PROJECT DATA
/ten generated	
AIR FORCE (computer generated	<u>/</u>
14 PI	ROJECT TITLE
3. INSTALLATION AND LOCATION 12. 13. REPL	ACE GENERAL OFFICER
HOUS	ING
LITTLE ROCK AIR FORCE BASE, MIGUINI	
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT	NUMBER 8. PROJECT COST(\$000)
5. PROGRAM BEELENI C. CITE	
	210
0 97 41 711-142 NKAK9640	02 210
8.87.41	
9. COST ESTIMATES	
	I INTER COST

9. COST ESTIMATE	S			
]			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE GENERAL OFFICER HOUSING	UN	1	121,968	122
SUPPORTING FACILITIES	İ			68
SITE PREPARATION	LS	ļ.		(6)
ROADS AND PAVING	LS			(11)
UTILITIES	LS			(15)
LANDSCAPING	LS	1		(14)
GARAGE	LS	ļ		(9)
DEMOLITION AND ASBESTOS/LBP REMOVAL	LS			(_12)
SUBTOTAL]	190
CONTINGENCY (5%)	1	1		10
TOTAL CONTRACT COST		1	ĺ	200
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1	1	1	
TOTAL REQUEST	-	1		210
TOTAL KENGODE			1	
] 				
1				
AREA COST FACTOR .80		1	L	
i can at met i on a	lomo.	ition and	replace	ment of

| 10. Description of Proposed Construction: Demolition and replacement of | one general officer housing unit. Includes sitework, utility systems, | parking, walkways, landscaping, and two-car garage. Provides normal | amenities to include appliances, air conditioning, exterior entertainment | area and patio, and privacy fencing. Includes asbestos and lead-based | paint removal.

UNIT TYPE GOQ 4BR	NET AREA 2310	PROJECT FACTOR .88	\$/ <u>NSF</u> _60	NO. UNITS 1	TOTAL COST 121,968 121,968
				1	-

REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN 11. PROJECT: Replace one General Officer Housing unit. (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for the Installation Commander at Little Rock AFB. The unit will meet "whole house" standards and will be appropriate for the living and entertainment responsibilities of the Commander. The replacement house will provide a modern kitchen, living room, dining room, family room, and bath configuration with ample interior and exterior storage and a two-car garage. Exterior parking will be provided for guests and an official vehicle. Both interior and exterior living areas will be designed to provide adequate entertainment space. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. Neighborhood enhancements include landscaping of common areas. CURRENT SITUATION: The housing unit currently used as a General Officers

	2. DATE
1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA	j
	i
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LITTLE ROCK AIR FORCE BASE, ARKANSAS	
	PROJECT NUMBER
4. PROJECT TITLE	
A CONTRACT OFFICER HOUSING	NKAK964002
REPLACE GENERAL OFFICER HOUSING	

Quarters (GOQ) was built in the mid-1950s for senior officer housing. house does not meet GOQ space requirements, and is totally inadequate for the position and entertainment responsibilities of the Installation Commander. The kitchen configuration creates a circulation problem. Three of the four bedrooms and their closets are undersize. Bathrooms have outdated ceramic tile floors, wainscot, and vanity cabinets. Dining area is undersize. Heat pumps, water heater, and plumbing fixtures are at the end of their useful life. The garbage disposal is in poor condition. Below slab sanitary lines have deteriorated and need to be replaced. Bathroom receptacles lack ground-fault circuit interupters, unit wiring lacks ground conductor and does not meet codes. The flat carport roof is leaking, causing the plywood deck to rot. Paint on wood fascias is peeling. Windows are energy inefficient and require replacement. Net square footage will be increased to authorized amount. IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 81% of the replacement cost. (An FY95 Improvement project for this house was determined to be inappropriate and too costly as additional structural deficiencies were identified during the planning and design process.)

MILITARY FAMILY HOUSIN	G JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	NTROL SYN	MBOL
3. DOD COMPONENT	4. REPORTING INSTAL	LATION							
AIR FORCE	a. NAME				b. LOCAT				
5. DATA AS OF	LITTLE ROO	CK AIR FORCE BASE		JACKSONVILLE, AR					
31 JANUARY 1992									
ANALY	SIS		CURRENT				PROJEC		
OI	:	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL ST	RENGTH	908	3,596	916	5,420	774	3,478	878	5,130
7. PERMANENT PARTY PE	RSONNEL	908	3,596	916	5,420	774	3,478	878	5,130
8. GROSS FAMILY HOUSIN	IG REQUIREMENTS	718	3,135	360	4,213	594	2,964	344	3,902
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	40	511	123	674				
a. INVOLUNTARILY	SEPARATED	15	51	2	68				
b. IN MILITARY HOU DISPOSED/REPLA	CED	0	0	0	0				
c. UNACCEPTABLE	HOUSED IN COMMUNITY	25	460	121	606				
10. VOLUNTARY SEPARAT	•	11	104	22	137	9	100	21	130
11. EFFECTIVE HOUSING F		718	3,135	360	4,213	585	2,864	323	3,772
12. HOUSING ASSETS (a	+ b)	686	2,571	225	3,482	562	2,424	190	3,176
a. UNDER MILITARY		212	1,323	0	1,535	212	1,323	. 0	1,535
(1) HOUSED IN E		1	1,323		1,535	212	1,323	0	1,535
OWNED/COI		212	1,323	0	1,030		1 .,020		.,,550
, ,	FRACT/APPROVED					0	0	0	0
(3) VACANT		0	0	0	0				
(4) INACTIVE		0	0	0	0				
b. PRIVATE HOUSIN	G	474	1,248	225	1,947	350	1,101	190	1,641
(1) ACCEPTABLY	/ HOUSED	455	1,197	215	1,867				
(2) ACCEPTABLE	VACANT RENTAL	19	51	10	80				
13. EFFECTIVE HOUSING D	DEFICIT	32	564	135	731	23	440	133	596
14. PROPOSED PROJECT						_1			1

15. REMARKS

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE BEALE AIR FORCE BASE, CALIFORNIA 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) 610-119 BAEY879003P2 842 8.87.41 O COST ESTIMATES

9. COST ESTIMATES								
			UNIT	COST				
ITEM	U/M	QUANTITY	COST	(\$000)				
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550				
SUPPORTING FACILITIES				210				
SEWER & WATER	LS		1	(42)				
PAVEMENTS	LS			(80)				
LANDSCAPING	LS	!		(40)				
SYSTEMS FURNITURE	LS	1	į	(<u>48</u>)				
SUBTOTAL				760				
CONTINGENCY (5%)				_38				
TOTAL CONTRACT COST	1			798				
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				44				
TOTAL REQUEST	ļ]		842				
	ļ							
		ļ						
		ļ						
	ļ							
	ļ							
	!	[
AREA COST FACTOR 1.24								

Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes all utilities, parking, and landscaping. Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,486 SF PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The housing management office provides a vital service to accompanied and unaccompanied military members and manages 1,708 family housing units, 176 mobile home spaces, and 805 enlisted dormitory spaces.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
BEALE AIR FORCE BASE, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
LCONCERDICE FAMILY HOUSING MANAGEMENT OFFICE	BAEY879003P2

CONSTRUCT FAMILY HOUSING MANAGEMENT OFFICE

The current office provides provides 1,920 SF of space for seven employees. This is less than 40% of the required space, and falls far short of providing minimum customer support. It is located five miles from the housing area it serves. Facility space limitations have forced four housing inspectors to locate in a separate facility 1/2 mile from the main office. The dispersed nature of personnel and housing functions complicates and delays operations and reduces effectiveness of personnel and programs. The office does not have a conference room to conduct training or meetings, nor is there a lounge area for customer use. No interior or exterior play areas are provided. The waiting area is extremely cramped and noisy due to computer printers which share the same space. The office has no private area for counseling. Restrooms are located in another part of the building which is assigned to totally different (non-housing) functions, and can only be accessed by traversing congested work areas. Customer parking is extremely limited, and is shared with the Services Squadron, Accounting and Finance, Civilian Personnel, Transportation Management, and an Airman Dining Hall. The result is a crowded parking area with little space for housing customers to park or maneuver moving trucks or vehicles with trailers. Existing housing management space will revert to Transportation and Services functions which currently occupy the majority of space in the existing facility.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get the first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Customer service will be substandard, and employee and customer morale will suffer due to the poor service environment.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

									1			
1. COMPONENT									į	2. D	ATE	
	FY 1996 MILITARY CONSTRUCTION PROGRAM											
AIR FORCE				outer o								
3. INSTALLATI	ON AND LO	CATION			1	CINAMM			!			CONST
,					AIR I				-	COST INDEX		
EDWARDS AIR E	FORCE BASI	E, CALI	FORN:	[A]		RIEL CO			1		1.3	8
6. PERSONNEL	-	PE	RMANI		 	TUDENT:	-		PORT			
STRENGTH	-	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL			LATOT
a. As of 30 S	SEP 94	1	3754	1	!			27	_	1 86		8,858
b. End FY 200	00	650					<u> </u>	27	5	1 86	2	8,238
				ENTORY	DATA	(\$000)					
a. Total Acre												
b. Inventory	Total As	Of: (30 SI	EP 94)						711,		
c. Authorizat										44,		
d. Authorizat	d. Authorization Requested In This Program: 11,350											
e. Authorization Included In Following Program: (FY 1997) 9,413												
f. Planned In Next Four Program Years:												
g. Remaining Deficiency:						0						
h. Grand Tota										776,	646	
8. PROJECTS	REQUESTED	IN THI	S PR	OGRAM:	FY :	1996						
CATEGORY								COST	_			TATUS
CODE	PROJ	ECT TIT	LE		<u> </u>	SCOPE		(\$000	<u>)</u>	STAR	T	CMPL
711-142 REP	LACE FAMI	LY HOUS	ING					11,35		TURN	KEY	
						TOTAL		11,35				
9a. Future	Projects:	Inclu	ded	in the	Foll							
711-142 REP	LACE FAMI	LY HOUS	ING,			60	UN	9,41	.3 7	rurn	KEY	
PH	ASE 1								_			
						TOTAL		9,41	.3			
9b. Future	Projects:	Typic	al P	lanned	Next			s:				

^{10.} Mission or Major Functions: Air Force Flight Test Center for Research and Development which is responsible for flight test activities for all USAF aircraft and related avionics, flight control, and weapons systems; a test wing; an air base wing; Air Force Test Pilot School; and Astronautics Directorate of Phillips Laboratory. Also, a landing site for the space shuttle.

1. COMPONENT			2. DATE		
F		NSTRUCTION PROJECT DATA r generated)			
AIR FORCE 3. INSTALLATION AND		4. PROJECT TITLE			
EDWARDS AIR FORCE BASE, CALIFORNIA REPLACE FAMILY HOUSING					
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)					
8.87.41	711-142	FSPM944506 ESTIMATES	11,350		

9. COST ESTIMATES									
			UNIT	COST					
ITEM	U/M	QUANTITY	COST	(\$000)					
REPLACE FAMILY HOUSING	UN	67	102,511	6,868					
SUPPORTING FACILITIES		1		3,378					
SITE PREPARATION	LS			(346)					
ROADS AND PAVING	LS			(290)					
UTILITIES	LS			(1,938)					
LANDSCAPING	LS			(103)					
RECREATION	LS			(202)					
DEMOLITION AND ENVIRONMENTAL	LS			(<u>498</u>)					
SUBTOTAL				10,246					
CONTINGENCY (5%)		1		512					
TOTAL CONTRACT COST				10,758					
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		1		592					
TOTAL REQUEST				11,350					
i I		!							
į			1						
AREA COST FACTOR 1.38		<u> </u>		<u> </u>					

Description of Proposed Construction: Replace 67 Wherry JNCO units. Construct housing units with gable roofs, road/sidewalks, driveway, attached single car garage, and exterior wooden storage shed. Install evaporative coolers. Includes electrical, mechanical, structural, and architectural work. Provide irrigation system in common areas. Remove lasbestos from existing units.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JNCO 2BR	950	1.38	60	10	786,600
JNCO 3BR	1200	1.38	60	34	3,378,240
JNCO 4BR	1350	1.38	60	15	1,676,700
JNCO 5BR	1550	1.38	_60	8_	1,026,720
		-		67	6,868,260

REQUIREMENT: 2,411 UN ADEQUATE: 944 UN SUBSTANDARD: PROJECT: Replace 67 Wherry Family Housing units. (Current Mission) REQUIREMENT: This project is required to provide quality of life improvements and energy efficient housing units to the existing area to enhance standards of livability for the residents. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Irrigation systems in common are required to provide a usable and aesthetic environment for the neighborhood. Replacement of housing will provide a safe, comfortable living environment comparable to the off-base civilian community. CURRENT SITUATION: These family housing units were originally built in the 1950's. They have not received any major renovations since that time

1	1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATE	ra	2. DA	ATE
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
	EDWARDS AIR FORCE BASE, CALIFORNIA			
_	4. PROJECT TITLE	5.	PROJECT	NUMBER
	DEDIACE FAMILY HOUSING		FSPM9445	506

period. The two bedroom units are more than 120 Net Square Feet under the authorized net floor area. The three bedroom units lack entry foyers and

The harsh environment has taken its

have at least one undersized bedroom. toll and the units have deteriorated beyond economical repair. Asbestos-containing building materials contribute significantly to the extremely high repair cost. The exteriors of these facilities have deteriorated to the point that all wooden surfaces need to be replaced. Plumbing and electrical systems are in such poor repair that constant maintenance is required to maintain operability. This housing area is very congested and presents a traffic flow safety hazard when cars park on the streets because the units lack driveways and garages. IMPACT IF NOT PROVIDED: The harsh desert environment will continue to take its toll on these old and deteriorated units. Asbestos will continue to limit maintainability, and future repair costs will be exorbitant due toenvironmental abatement requirements. Exterior surfaces will continue to deteriorate and huge maintenance costs will be incurred. Mechanical and electrical systems will fail, adding to the already heavy workload and high cost to maintain. The units will continue to be occupied until they become uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a projected family housing deficit of 24 units. ADDITIONAL: An economic analysis has been prepared comparing the

alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility |Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING	JUSTIFICATION	1. DATE (YYMMDD)	OF REPORT			2. FISCAL 1996	YEAR	REPORT CO		1BOL
3. DOD COMPONENT AIR FORCE 5. DATA AS OF	4. REPORTING INSTA a. NAME EDWARD	S AIR FORCE	BASE			b. LOCAT	ON LANCASTER	CALIFORNIA		
1993				LIDDENIT				PROJEC*	TED	
ANALYSIS	S		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
OF	D 400FTC		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
REQUIREMENTS AN			(0)	,_,	,-,					
6. TOTAL PERSONNEL STREM	I GIN		876	3,666	620	6,062	766	3,196	666	4,517
7. PERMANENT PARTY PERS	ONNEL		876	3,666	620	6,062	766	3,196	666	4,517
8. GROSS FAMILY HOUSING	REQUIREMENTS		654	2,905	176	3,753	669	2,606	160	3,226
9. TOTAL UNACCEPTABLY H	IOUSED (a + b + c)		92	421	46	669				
a. INVOLUNTARILY SE	PARATED		1	9	9	19				
b. IN MILITARY HOUSI DISPOSED/REPLACE			0	0	0	0				
c. UNACCEPTABLE HO	OUSED IN COMMUNITY	,	91	412	37	640				
10. VOLUNTARY SEPARATIO	NS		26	112	20	167	22	100	18	140
11. EFFECTIVE HOUSING REC	DUIREMENTS		654	2,905	176	3,753	647	2,406	132	3,086
12. HOUSING ASSETS (a +	b)		643	2,306	116	2,886	486	2,074	88	2,648
a. UNDER MILITARY C	ONTROL		410	1,649	30	1,989	410	1,679	0	1,989
(1) HOUSED IN EXI OWNED/CONT			410	1,649	30	1,989	410	1,679	0	1,989
(2) UNDER CONTR							0	0	0	C
(3) VACANT			0	0	0	0				
(4) INACTIVE			0	0	0	0				
b. PRIVATE HOUSING			133	767	86	976	76	495	88	659
(1) ACCEPTABLY F	HOUSED		126	723	80	928				
(2) ACCEPTABLE V	ACANT RENTAL		8	34	6	48				
13. EFFECTIVE HOUSING DE	FICIT		110	499	60	788	61	332	44	437
14. PROPOSED PROJECT							O	0	67	67

DD FORM 1523, NOV 90

L. COMPONENT							2	. DAT	Έ
. COMPONENT	1996 MILITA	RY CON	ISTRUC	TION I	PROGR	AM	i		
AIR FORCE	_	uter c					i_		
. INSTALLATION AND L				DINAMM			5	. ARE	A CONST
VANDENBERG AIR FORCE			AIR F	FORCE				COS	T INDEX
CALIFORNIA	·		SPACE	COMM	AND			1.	.36
6. PERSONNEL	PERMANE			UDENT			PPORTE		-
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP 94	624 2419	1242					1	1 1	4,285
b. End FY 2000	608 2219	1157							3,984
	7. INVE	NTORY	DATA	(\$000)				
a. Total Acreage: (98,830)								
b. Inventory Total As	of: (30 SE	P 94)					1,1	118,38	
c. Authorization Not	Yet In Inven	tory:						32,52	
d Authorization Requ	ested In Thi	s Pro	gram:					21,10	00
e. Authorization Incl	uded In Foll	.owing	Progr	ram:	(FY	L997)		19,49	99
f. Planned In Next Fo	our Program Y	ears:							0
g. Remaining Deficier									0
h. Grand Total:							1,:	191,5	10
8. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FY:	1996					
CATEGORY						COS	T <u>D</u>	ESIGN	STATUS
	JECT TITLE		3	SCOPE		(\$00	0)	START	CMPL
610-119 FAMILY HOUS: OFFICE 711-142 REPLACE MIL: HOUSING (P)	ITARY FAMILY			5,200 143			00 AU		
				TOTAL	٠:	21,1	.00		
9a. Future Projects	: Included :	in the	Foll	owing	Prog	ram (FY 19	97)	
711-142 REPLACE FAM: PHASE 4				138	3 UN	19,4	.99 T	URN K	EY
				TOTAL	<u>.</u> :	19,4	99		
9b. Future Projects	: Typical P	lanned	Next	Four	Year	s:			
10 Mission or Majo	r Functions:	Head	iquart	ers Fo	ourte	enth	Air F	orce;	a
space wing with UH-1	aircraft; a	n Air	Force	Mate	riel	Comma	ınd de	tachm	ent of
the Space and Missil	e Systems Ce	nter;	and a	n Air	Educ	ation	n and	Train	ing
Command space and mi	ssile traini	ng gro	oup.						
			_						
İ									
<u> </u>									

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONS	STRUCTION PROJECT DATA	j
AIR FORCE	(computer	generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
		REPLACE MILITARY FA	MILY
VANDENBERG AIR	FORCE BASE, CALIFORNIA	HOUSING (PHASE 3)	
5 PROGRAM ELEM	ENT 6 CATEGORY CODE 7	PROJECT NUMBER 8. PROJ	ECT COST(\$000)

8.87.41 | 711-142 | XUMU964003 | 20,200

9. COST ESTIMAT	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE CAPEHART MFH, PHASE 3	UN	143	92,810	13,272
SUPPORTING FACILITIES			ĺ	4,963
SITE PREPARATION	LS			(287)
ROADS AND PAVING	LS			(482)
UTILITIES	LS		1	(1,175)
LANDSCAPING	LS		İ	(456)
RECREATION	LS			(190)
WALKS, PARKS, LIGHTS, TOT LOTS, FENCES	LS			(692)
DEMOLITION & ASBESTOS/LBP REMOVAL	LS			(<u>1,681</u>)
SUBTOTAL	1			18,235
CONTINGENCY (5%)				912
TOTAL CONTRACT COST				19,147
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	į			1,053
TOTAL REQUEST				20,200
				ļ
]		ļ
	ļ			
AREA COST FACTOR 1.36				

|10. Description of Proposed Construction: Replace 143 housing units. |Includes demolition, site grading, replacement/upgrade of utilities & |pavements, & construction of new housing units. Provides all needed |amenities such as parking, garages, bulk storage, exterior patios, privacy |fencing, neighborhood tot lots, recreation areas, parks, lights & trails. |Includes demolition & disposal of asbestos and lead-based paints.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.35	60	37	2,847,150
JNCO 3BR	1200	1.35	60	96	9,331,200
JNCO 4BR	1350	1.35	60	10_	1,093,500
-				143	13,271,850

11. REQUIREMENT: 2,023 UN ADEQUATE: 211 UN SUBSTANDARD: 2,078 UN PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) REQUIREMENT: This project is required to provide modern, efficient, and safe housing for military members and their dependents stationed at Vandenberg AFB. All units are to meet "whole house" standards and are programmed in accordance with Phase 3 of the Housing Community Plan (HCP). Replacement housing will provide a living environment comparable to the off-base civilian community. Units being replaced are not surplus to the base mission. This is the third of thirteen phases to provide adequate housing for base personnel. Of the 1812 units to be replaced in this multi-phase initiative, 294 are completed or included in prior programs, and 1384 will follow in subsequent phases. New housing will have modern kitchen, family room, bedroom, bathroom, ample storage, garage, and

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJE	CT DATA	
AIR FORCE	(computer generated)		
3. INSTALLATION	AND LOCATION		
VANDENBERG AIR	FORCE BASE, CALIFORNIA		
4. PROJECT TITL		5.	PROJECT NUMBER
REPLACE MILITAR	Y FAMILY HOUSING (PHASE 3)		XUMU964003

parking for guests. Also, basic neighborhood support infrastructure will be upgraded to modern standards. Neighborhood improvements will include landscaping, playgrounds, walks, handicap access ramps, signs, street lights, irrigation, recreation areas, fitness course and utility upgrades. CURRENT SITUATION: These units are over 30 years old and have deteriorated to the point where replacement is the most economical alternative. Wiring and fixtures have been identified by the Fire Department and Base Safety as a fire hazard; wiring is brittle and There are no Ground Fault Interrupters (a life safety hazard). Fixtures are energy inefficient. Plumbing systems have succumbed to the effects of hard water and corrosion, resulting in severe constriction and pipe leakage. Overhead pipes in the attics leak, causing ceiling and property damage and irritation to occupants. Corroded sewers in and under the floor slab leak. Some roof structures are sagging. There is no family room and there is inadequate bulk storage. Kitchens have inefficient work space, poor circulation, worn out/insufficient cabinets. Bathroom fixtures, vanities, and appointments are worn and outmoded. Plumbing fixtures are worn and unattractive. Main and master baths are deteriorated and outdated, having shower enclosures and medicine cabinets which are corroded, discolored, and pitted. Additionally, the way the These houses have had no units are presently configured is inefficient. major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, foundations, and sidewalks require major repair or replacement due to the effects of age and the environment. Housing interiors are generally inadequate by any modern criteria. Unsightly utility wires and poles clutter the streetscape. There is a lack of trees on streets, lawns, and open spaces. Based on an increased requirement for 2-bedroom units, we will need to convert some of the 3-bedroom units into 2-bedroom units. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed without minimal water and electrical service. The occupants will suffer continual water leaks in their ceilings (due to leaking overhead pipes) causing damage to the ceiling, light fixtures, and furniture under the leaks. We would not be providing a living environment that promotes pride, professionalism, and individual dignity. The current Housing Market Analysis shows an on-base housing surplus of 276 units. None of the units being replaced are surplus units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity with no improvement in the living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of |Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING	JUSTIFICATION	1. DATE OF REP (YYMMDD)	ORT			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SYI R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INSTA									
AIR FORCE 5. DATA AS OF	a. NAME VANDENE	BRG AIR FORCE BASE				b. LOCAT	ION LOMPOC, CA	LIFORNIA		
1992								220 120	TED	
ANALYS	SIS			URRENT	F0 F4	70741	OFFICER	PROJEC E9 -E4	E3 - E1	TOTAL
OF		OFFICE	ER	E9-E4 (b)	E3 - E1 (c)	TOTAL (d)	(e)	(f)	(g)	(h)
REQUIREMENTS A		(a)		(6)	(0)	(0)	(0)	117	(9)	(11)
6. TOTAL PERSONNEL STR	ENGIH		665	1,984	655	3,304	642	2,070	535	3,247
7. PERMANENT PARTY PER	SONNEL		665	1,984	655	3,304	642	2,070	535	3,247
8. GROSS FAMILY HOUSIN	G REQUIREMENTS		510	1,408	202	2,120	491	1,458	158	2,107
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)		5	26	10	41				
a. INVOLUNTARILY S	EPARATED		1	9	9	19				
b. IN MILITARY HOUS DISPOSED/REPLACE			٥	0	0	0				
	OUSED IN COMMUNITY		4	17	1	22				
10. VOLUNTARY SEPARATE	ONS		4	71	6	81	4	75	5	84
11. EFFECTIVE HOUSING RE	QUIREMENTS		510	1,408	202	2,120	487	1,383	153	2,023
12. HOUSING ASSETS (a +	b)		574	1,508	214	2,296	556	1,553	180	2,289
a. UNDER MILITARY	CONTROL		477	1,398	203	2,078	477	1,427	174	2,078
(1) HOUSED IN EX OWNED/CON			410	1,220	182	1,812	410	1,249	153	1,812
(2) UNDER CONTI	RACT/APPROVED						0	0	0	0
(3) VACANT			67	178	21	266				
(4) INACTIVE			0	o	0	0		,		
b. PRIVATE HOUSING			97	110	11	218	79	126	6	211
(1) ACCEPTABLY	HOUSED		91	91	4	186				
(2) ACCEPTABLE	VACANT RENTAL		6	19	7	32				
13. EFFECTIVE HOUSING DE	FICIT		3	78	9	90	(69)	(170)	(27)	(266)
14. PROPOSED PROJECT							0	0	143	143

DD FORM 1523, NOV 90

1. COMPONENT						2. DATE
i i	FY 1996	MILITARY CONS	TRUCTION E	PROJECT	DATA	!
AIR FORCE		(computer	generated))		
3. INSTALLATION	AND LOCAT	ION	4. PF	ROJECT I	TITLE	
İ			FAMII	LY HOUS	ING MANA	GEMENT
VANDENBERG AIR	FORCE BASE	, CALIFORNIA	OFFIC	CE		
5. PROGRAM ELEN	MENT 6. CAT	EGORY CODE 7.	PROJECT N	NUMBER	8. PROJI	ECT COST(\$000)

8.87.41 | 610-119 | XUMU944003 | 900

9. COST ESTIMATES UNIT COST COST (\$000) U/M QUANTITY ITEM FAMILY HOUSING MANAGEMENT FACILITY 5,200 120 624 188 SUPPORTING FACILITIES (14) LS UTILITIES (26) LS SITE IMPROVEMENTS LS (61) **PAVEMENTS** 4,200 PREWIRED WORK STATIONS EA 11 (46) SF 3,150 13 (41) DEMOLITION 812 SUBTOTAL 41 CONTINGENCY (5%) 853 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 47 900 |TOTAL REQUEST AREA COST FACTOR 1.36

| 10. Description of Proposed Construction: Reinforced concrete floor slab | and foundation, split-faced concrete block masonry walls, steel-trussed | roof system, and tile roof. The project provides offices, restrooms, | counseling and meeting rooms, customer waiting area, computer equipment | room, and interior and exterior child play areas. Includes utilities, | parking, landscaping, and all appurtenant work for a complete facility.

REQUIREMENT: 5,200 SF ADEQUATE: 0 SUBSTANDARD: 3,133 SF 111. | PROJECT: Family Housing Management Facility. (Current Mission) REQUIREMENT: An adequate facility is required to serve customers and to provide for more efficient housing management. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers and small trucks which may be used by arriving personnel. facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area with multiple telephones, a computer room and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior areas must be provided with recreation equipment and be fenced for security. facility exterior requires landscaping to enhance customer appeal. CURRENT SITUATION: Annually, this Family Housing Management Office houses or assists over 9,000 families and unaccompanied personnel living on-base and off-base. This includes service to a large number of DoD civilians as This housing office manages the assignment, termination, and maintenance of 2,076 family housing units and 172 mobile home spaces. Also, it manages 1164 dorm bed spaces. The existing Military Family Housing Office is in a substandard WWII-era wooden-frame structure, which was constructed in 1942 and does not meet the seismic code for earth

Ī	1. COMPONENT		2. DA	TE
1	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	1	
ĺ	AIR FORCE (computer generated)		j	
Ī	3. INSTALLATION AND LOCATION			
	VANDENBERG AIR FORCE BASE, CALIFORNIA			
Ī	4. PROJECT TITLE	5.	PROJECT	NUMBER
	 PAMILY HOUSING MANAGEMENT OFFICE		XIIMTI9440	0.7

quakes. This is one of the few remaining WWII-era facilities left in its

area of the base. Age and the environment have taken their toll on the structure. The structure has dry rot and is termite-infested. The roof leaks and there are water stains on the ceilings. Wiring is old and does |not meet electrical code. The underground utilities are original and are deteriorated. The facility is energy-inefficient, and the heating system is inadequate so that one-third of the facility is without heat. Restrooms are too small. The poor facility presents a very unfavorable impression to the thousands of customers who transit the facility each year. The present office is not large enough and is poorly configured to provide space for proper services and a proper atmosphere for both workers and customers. There is inadequate storage space. Existing space affords little privacy to families in counseling. There is no interior play area for children to use while parents are being counselled on housing opportunies and requirements. The facility will be demolished upon completion of this replacement project. IMPACT IF NOT PROVIDED: Customers will continue to be served in a substandard, inadequate facility. Workers, as well, will continue to work

substandard, inadequate facility. Workers, as well, will continue to work in the same inadequate facility. These factors, in turn, affect morale which, in turn, affects work performance. Work performance, in turn, affects the mission. The liability of having people in a structure that does not meet seismic code will remain.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION FAMILY HOUSING MGT OFFICE PETERSON AIR FORCE BASE, COLORADO 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | TDKA944004 570 610-119 8.87.41

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FAMILY HOUSING MANAGEMENT FACILITY	SF	3,250	115	374
SUPPORTING FACILITIES		1		140
UTILITIES	LS			(40)
PAVEMENTS	LS			(35)
SITE IMPROVEMENTS	LS	1		(30)
LANDSCAPING	LS			(20)
PREWIRED WORKSTATIONS	LS			(_15)
SUBTOTAL				514
CONTINGENCY (5%)				_26
TOTAL CONTRACT COST	1			540
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				_30
TOTAL REQUEST	1			570
				!
		!		
	-			!
AREA COST FACTOR 1.06]	

10. Description of Proposed Construction: Work to include site utilities, paving, concrete walks, landscaping, concrete foundation, steel super structure, load bearing concrete block walls, masonry veneer, built-up roofing, decorative interior finishes. Project provides offices, restrooms, counseling and meeting rooms, customer waiting, computer equipment room, and interior and exterior child play areas.

Air Conditioning: 6 Tons.

|11. REQUIREMENT: 3,250 SF ADEQUATE: 0 SUBSTANDARD: 1,188 SF PROJECT: Construct new 3250 sf Family Housing Management Office at Peterson AFB. (Current mission).

REQUIREMENT: A new Family Housing Management Office to provide adequate space for managing Base family housing assets, for assisting all arriving personnel in finding adequate on or off base housing, and for managing furnishings for authorized base personnel. The facility must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room and storage space for equipment and publications, and interior play area for children of customers.

CURRENT SITUATION: The existing Family Housing Management Office occupies a portion (1188 sf) of building 1042. This is 2062 sf less than what is required for this Base function to operate properly. Expansion of this |facility is not feasible because of its growing responsibility to its customers. The facility does not have adequate space to accomodate housing management functions and newly assigned unaccompanied housing and

•	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	PETERSON AIR FORCE BASE, COLORADO		
	4. PROJECT TITLE	5. P	PROJECT NUMBER
		_	
	FAMILY HOUSING MGT OFFICE	T	TDKA944004

furnishings management responsibilities. Existing space affords little privacy to families in counseling because there are no private offices for this purpose. There is no interior play area for children to use while parents are being counseled on housing opportunities and requirements. The parking, reception area and storage for this facility is substandard and well below what they need.

IMPACT IF NOT PROVIDED: The existing operation will continue to lack adequate space and not be able to serve the Peterson Complex's military personnel with adequate housing assistance. The base has grown increasing the number of personnel (7,058) this office assists; customers will continue to be served in an extremely substandard, cramped and unprofessional environment. The housing office will not be able to provide the quality service to Peterson personnel.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190 "Facility and Planning and Design Guide".

. COMPONENT								2. DF	TE
COMPONENT	FY 1996	MTT.TTZ	ARY COI	NSTRUC	TION	PROGE	2AM		
IR FORCE	11 1330	*	outer 9					İ	
. INSTALLATION	AND LOCATI			1	MMAND			5. AF	EA CONS
OLLING AIR FOR			OF	AIR F	ORCE	DISTE	RICT	i co	ST INDE
OLUMBIA	,			OF WA	SHING	TON		1	03
. PERSONNEL		PERMANI	ENT	ST	UDENT	s	SUPI	PORTED	1
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL CIV	TOTAL
. As of 30 SEP	94 626	1618	965	•			1	39 217	3,46
. End FY 2000	612	1573	915				1	39 217	3,35
		7. INV	ENTORY	DATA	(\$000)			
. Total Acreag	e: (607)							
. Inventory To	tal As Of:	(30 SI	EP 94)	•,				242,1	.10
. Authorizatio	n Not Yet I	n Inver	ntory:					11,4	.00
l. Authorizatio								4,1	
. Authorization	n Included	In Foll	lowing	Progr	am:	(FY]	.997)	5,0	000
. Planned In N	ext Four Pr	ogram ?	Years:						0
. Remaining De	ficiency:								0
. Grand Total:							m	262,6	510
. PROJECTS REC	UESTED IN I	HIS PRO	OGRAM:	FY 1	9.96				
ATEGORY							COST		STATUS
CODE	PROJECT I	ITLE		<u>s</u>	COPE		(\$000)	START	<u>CMPI</u>
HOUSI	E MILITARY NG (PHASE 4)			TOTAL		4,100	<u>-</u> 0	EI
a. Future Pro	jects: Inc	luded :	in the	Follo					
	E MILITARY NG (PHASE 5				40	UN -	5,00	o turn i -	ŒY
					TOTAL		5,00	0	
	jects: Typ								
	Major Fund								
ational Capito	l Region.	Headqua	arters	USAF	funct	ions	inclu	de Chief	of
haplains, Surg	eon General	, and I	Histor	ian; H	leadqu	artei	cs Alr	Force Of	rice
f Special Inve	stigation;	Alr Fo	rce OI	IICE C	or SCI	entii	ic Re	searcn; A	Pond.
orce Legal Ser		y; Air	Force	Medic	ar su	.ppor	. Agen	Cy; .USAF	band,
nd USAF Honor	Guard.								

1. COMPONENT			2. DATE
FY 199	96 MILITARY CONSTRUC	TION PROJECT DATA	
AIR FORCE	(computer gene	rated)	
3. INSTALLATION AND LO	CATION	4. PROJECT TITLE	ļ
BOLLING AIR FORCE BASE		REPLACE MILITARY FAM	ILY
WASHINGTON DISTRICT OF	COLUMBIA	HOUSING (PHASE 4)	

9. COST ESTIMATES

J. CODI EDITIMIE				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	32	84,755	2,712
SUPPORTING FACILITIES				989
SITE PREPARATION	LS			(244)
ROADS AND PAVING	LS			(221)
UTILITIES	LS			(98)
LANDSCAPING	LS	!		(70)
RECREATION	LS			(74)
LBP/ASBESTOS REMOVAL AND DEMOLITION	LS			(<u>280</u>)
SUBTOTAL				3,701
CONTINGENCY (5%)	1			185
TOTAL CONTRACT COST	1	ļ		3,886
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				214
TOTAL REQUEST				4,100
			1	
	1			1
AREA COST FACTOR 1.03				

| 10. Description of Proposed Construction: Demolish 32 Military Family | Housing units and replace with 32 new units of same bedroom composition. | Provide fire sprinklers in accordance with the Fire Administration | Authorization Act of 1992. Provide site preparation, utility system | alteration, road repair and alteration and improvements to common and | recreation areas.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.05	60	5	378,000
JNCO 4BR	1350	1.05	60	8	680,400
SNCO 3BR	1350	1.05	60	13	1,105,650
SNCO 4BR	1450	1.05	_60	6	548,100
				32	2,712,150

| 11. REQUIREMENT: 6,710 UN ADEQUATE: 3,815 UN SUBSTANDARD: 866 UN | PROJECT: Replace 32 Military Family Housing units. Improve common | grounds, recreation areas and streets associated with the units. (Current Mission)

REQUIREMENT: Improve the quality of life for military members and their families assigned to this installation. Replacement of these housing units is required to support the current mission. Provide housing units that meet current Air Force minimum space, quality and energy standards. Housing neighborhoods must be aesthetically pleasing and functional, as prescribed in the Housing Community Plan (HCP). Units must be fire protected in accordance with the Fire Administration Authorization Act of 1992 and must be designed to accommodate Physically Handicapped family

1. COMPONENT		2. DATE
:	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	1
AIR FORCE	(computer generated)	
3. INSTALLATION A	ND LOCATION	
BOLLING AIR FORCE	BASE WASHINGTON DISTRICT OF COLUMBIA	
4. PROJECT TITLE	5	. PROJECT NUMBER
REPLACE MILITARY	FAMILY HOUSING (PHASE 4)	BXUR964003

members.

CURRENT SITUATION: Housing units included in this project were constructed in 1975 under a low, constrained budget. Materials used in construction were of inferior quality, therefore, the units are suffering obsolescence and dilapidation. Existing units do not meet Air Force minimum space standards. Space deficiencies range from 100 to 200 square feet in various types of units. Floor layouts are dysfunctional, and do not allow maximum use of existing space. Family rooms are currently being used as family/secondary eating rooms. Living/dining areas are not defined. Due to limited space in the living and dining rooms the entire area is generally used as a living room. Fire safety and handicap requirements are not met in existing housing units. Doors and windows are of the original construction and do not meet current energy standards. Exterior living areas are inadequate. Due to the high density of the housing area it doesn't lend itself to privacy, therefore fencing and landscaping is required to provide privacy in the rear yards. The general appearance of the front yards is cluttered and unorganized. Carport structures are oriented in front of the housing units which blocks the view of the entrances. Also, lack of adequate outdoor storage has forced occupants to use the carports to store bikes, lawn furniture and other items, which detracts from the existing, cluttered state. Common areas aredeficient of ample play yards and other amenities to serve the housing population. Due to the extensive amount of work required to correct deficiencies, modernize to comtemporary standards and repair existing lunits, it has provem to be more cost effective to replace the units. IMPACT IF NOT PROVIDED: The lack of affordable housing in the Metropolitan Washington area and the lack of housing on base has forced lower ranking members into unsuitable dwellings in the less desirable neighborhoods. Affordable, adequate housing for military members is essential to mission readiness. Failure to correct deficiencies and modernize to current standards impacts the quality of life for the occupants, government resources and inadvertently impacts the mission. ADDITIONAL: This project meets the criteria/scope specified in Part II of |Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSIN	G JUSTIFICATION	1. DATE OF REPORT (YYMMDD)	T		2. FISCAL 1996	. YEAR	REPORT CO	ONTROL SY	MBOL
3. DOD COMPONENT	4. REPORTING INST						1		
AIR FORCE	a. NAME				b. LOCAT	ION			
5. DATA AS OF		AIR FORCE BASE				WASHINGTO	N D.C.		
1993	33	,,,,,,,			TANDINIOI OI D.C.				
ANALY	SIS		CURRENT		,	[PROJEC	TED	
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STR									
00.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5.294	3,887	353	9,534	5,294	3,869	371	9,534
7. PERMANENT PARTY PE	RSONNEL							,	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		5,294	3,887	353	9,534	5,294	3,869	371	9,534
8. GROSS FAMILY HOUSIN	IG REQUIREMENTS								
5. G.1.565 77		4,192	2,725	56	6,973	4,147	2,686	59	6,892
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)								
· · · · · · · · · · · · · · · · · · ·	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1,570	1,044	15	2,629				
a. INVOLUNTARILY	SEPARATED								
2. 11. 02311711121	2	29	23	0	52				
b. IN MILITARY HOU	SING TO BE			i					
DISPOSED/REPLA		. l c	il. o	0	0				
	HOUSED IN COMMUNITY	7							
		1,541	1,021	15	2,577				
10. VOLUNTARY SEPARAT	IONS						l		
		79	100	2	181	79	101	2	182
11. EFFECTIVE HOUSING R	EQUIREMENTS								
		4,192	2,725	54	6,973	4,068	2,585	57	6,710
12. HOUSING ASSETS (a -	- b)								
		2,613	1,605	40	4,258	2,563	1,750	40	4,353
a. UNDER MILITARY	CONTROL					-			
		295	1,085	15	1,395	394	1,382	33	1,809
(1) HOUSED IN E	XISTING DOD								
OWNED/CON	TROLLED	190	785	15	990	191	766	33	990
(2) UNDER CONT	RACT/APPROVED							İ	
						98	316	0	414
(3) VACANT		İ	1 .	1 -	1 .				
			<u> </u>	0	0				
(4) INACTIVE		_] _	ا ا				
			0	0	0				
b. PRIVATE HOUSING	3	1]	0.000		668	7	2.949
		2,423	820	25	3,268	2,274	668	,	2,945
(1) ACCEPTABLY	HOUSED			٠,	2.72				
101 4005574515	VACANT BENTAL	2,353	796	24	3,173				
(2) ACCEPTABLE	VACANT RENTAL	70	24	1	95				
42 FEFFORNE HOUSENO D	EEICIT		- 24	 	35				
13. EFFECTIVE HOUSING D	EFICII	1,579	1,120	14	2,715	1,505	835	17	2,357
14 00000000 000 000		1,579	1,120	14	2,/15	1,305	033		2,00
14. PROPOSED PROJECT						0	32	0	32
15. REMARKS						· · · · ·	J 32		3,

DD FORM 1523, NOV 90

9. COST ESTIMAT	ES			1
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	SF	5,600	75	420
SUPPORTING FACILITIES				31
UTILITIES	LS			(9)
SITE IMPROVEMENTS	LS			(6)
PAVEMENTS	LS	1		(<u>16</u>)
SUBTOTAL				451
CONTINGENCY (5%)	1			_23
TOTAL CONTRACT COST				474
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		1 1		26
TOTAL REQUEST		ļ l		500
				İ
		1		
	1	!]
	ļ	!!!		
	1]		
	ļ	! !		
AREA COST FACTOR 0.73				

|10. Description of Proposed Construction: Includes tilt up masonry | panels on steel frame, concrete floor slab, built-up roof, comprehensive | interior design, utilities, parking and fencing. Area includes offices | for counselors, inspectors, housing officer and assistant; storage and | waiting/display area.

Air Conditioning: 5 Tons.

5,600 SF ADEQUATE: 0 SUBSTANDARD: REQUIREMENT: |PROJECT: Family Housing Management Facility. (Current Mission) REQUIREMENT: An adequate facility is required to provide complete referral services and a full range of personal assistance to all eligible DOD personnel in locating suitable nondiscriminatory community housing. A relaxing environment is desired since this is usually the first stop for arriving travel-worn personnel and their dependents. The facility must be located for convenient access by arriving personnel and those already assigned to base housing. It must be handicap-accessible and have adequate parking for vehicles pulling and trailers and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counselling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, storage space for equipment and publications, and interior and exterior play areas for children of customers. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The family housing management office provides service to over 12,900 families and unaccompanied personnel living off-base and manages the assignment, termination, and maintenance of 2,359 family housing units. In FY93 they assisted over 3,670 personnel in finding

Ī	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJ	ECT DATA	
İ	AIR FORCE (computer generated)		
Ī	3. INSTALLATION AND LOCATION		
1	EGLIN AIR FORCE BASE, FLORIDA		
Ī	4. PROJECT TITLE	5.	PROJECT NUMBER
	HOUSTNG MANAGEMENT FACTITTY		FTF2944009

off-base housing. The existing housing management office is a converted Wherry housing unit that was built in 1948. This facility does not provide the privacy necessary for the housing officer of the Housing Referral Office and counselors. Customers awaiting service must stand in the hallway because of lack of space. The run down condition of the building does not provide a professional atmosphere to personnel visiting the Housing Office, and degrades employee morale. Realtors, brokers, builders, apartment managers, and families arranging moves or filing complaints also use this facility. Because of the lack of space, the Housing Facilities Section has been relocated to a temporarily converted Wherry unit across the street. The average customer is in the office for 30-45 minutes and is assisted in all aspects of housing. Maintenance problems in the facility are a reccuring nightmare, as the age of the facility and its mechanical and electrical systems are such that economical repairs are not possible.

| IMPACT IF NOT PROVIDED: Morale of housing office employees will continue | to degrade. Customers will not receive the necessary privacy when dealing | with housing office personnel and will continue to be served in an | extremely cramped, deteriorated, and unprofessional environment. Lack of | space eliminates any possibility of establishing private counseling areas. | Unusual and costly resource commitment will be necessary to keep the | existing facility habitable. Major repairs or improvements are not an | option because of the age and condition of the facility and extensive | investment required.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide", and the Air Force Housing Support Facilities Guide.

1. COMPONENT			2. DATE
F	Y 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATION AND	LOCATION	4. PROJECT TITLE	ļ
EGLIN AUX FIELD 9,1	FLORIDA		
(HURLBURT FIELD)		FAMILY HOUSING SI	ERVICE CENTER
	6. CATEGORY CODE 7	. PROJECT NUMBER 8. PI	ROJECT COST(\$000)
	j j		
8.87.41	610-119	FTEV983000	880

9. COST ESTIMATE	S			
	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
FAMILY HOUSING SERVICE CENTER	LS			594
FAMILY HOUSING MGT CENTER (610-119)	SF	3,200	97	(310)
MAINTENANCE FACILITY (219-944)	SF	3,550	80	(284)
SUPPORTING FACILITIES				200
UTILITIES	LS			(80)
SITE IMPROVEMENTS	LS			(60)
PAVEMENTS	LS		1	(_60)
SUBTOTAL] i	ļ	794
CONTINGENCY (5%)	1			40
TOTAL CONTRACT COST]		834
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)]		46
TOTAL REQUEST				880
TOTAL REQUEST (ROUNDED)				880
Ì				
		1		
	1	ļ į		
	1			

10. Description of Proposed Construction: Provide a new family housing management center and new maintenance facility. Work includes reinforced concrete foundation and floor slab, masonry walls, and sloped roof. |Includes offices, restrooms, counseling and meeting rooms, customer |waiting area, computer room, and child play areas. Maintenance facility includes office space, equipment room and supply storage.

Air Conditioning: 15 Tons.

8.87.41

11. REQUIREMENT: 9,471 SF ADEQUATE: 2,771 SF SUBSTANDARD: PROJECT: Family Housing Management Center and Maintenance Facility. (Current Mission)

REQUIREMENT: Adequate facility is required for managing base owned/operated family housing and unaccompanied housing assets. Space is urgently required to assist all personnel in finding acceptable on or off base housing. Also required is a new maintenance facility to support the tremendous task of keeping all family housing units up to the highest Air Force standards. The requested size of both facilities is based upon the existing 680 family housing units. Per the new Air Force Housing Support |Facilities Guide, the total of 680 family housing units authorizes small size housing office at 3215SF and small housing maintenance facility at 3532SF. This project complies with this guidance and the Housing Community Plan (HCP).

CURRENT SITUATION: The Hurlburt Housing Management Office provides a vital service to over 6,500 military personnel and manages 680 family housing units. The existing housing office shares a building with the base billeting office. The building is over-crowded with no space for children's play area or separate rooms for private discussions. The housing maintenance functions are currently located in old trailers which

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRU	JCTION PROJECT DATA
AIR FORCE (computer gen	nerated)
3. INSTALLATION AND LOCATION	
EGLIN AUX FIELD 9, FLORIDA (HURLBURT FIELD)
4. PROJECT TITLE	5. PROJECT NUMBER
Ì	
FAMILY HOUSING SERVICE CENTER	FTEV983000

have exceeded their life expectancy. The space is extremely limited and seriously degrades the maintenance effort.

IMPACT IF NOT PROVIDED: The housing management staff will continue to work in a substandard, inadequate, and undersized housing office. Their ability to perform their tasks for the customers will continue to be degraded and their effectiveness and efficiency as managers and customer service representatives will deteriorate. Maintenance workers and staff will continue to function from an old, deteriorating, undersized facility which adversley impacts job performance, effectiveness, and efficiency. The Air Force will continue to pay high energy, operations, and maintenance costs for these old deteriorating facilities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE HOUSING MANAGEMENT FACILITY MACDILL AIR FORCE BASE, FLORIDA 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) NVZR940033 646 610-119 8.87.41 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) HOUSING MANAGEMENT FACILITY 3,600 110 396 187 SUPPORTING FACILITIES (35) LS **PAVEMENTS** LS (75) UTILITIES LS | (10) SITE IMPROVEMENTS (12) LS | LANDSCAPING LS (48) SYSTEMS FURNITURE AND FURNISHINGS LS (7) DEMOLITION 583 SUBTOTAL 29 CONTINGENCY (5%) 612 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 34 646 TOTAL REQUEST AREA COST FACTOR 0.80

| 10. Description of Proposed Construction: All site preparation, drainage | improvements, slab on grade, splitface concrete masonry walls, sloped | standing seam metal roof, and decorative interior finishings. Project | provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play | areas. Includes all utilities, parking, landscaping, and demolition. | Air Conditioning: 10 Tons.

11. REQUIREMENT: 3,600 SF ADEQUATE: 0 SUBSTANDARD: PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

| CURRENT SITUATION: The existing Housing Management facility is located in | a designated flood plain, and does not have adequate vertical reinforcing | in the exterior walls to meet building codes. The facility is less than

_	1. COMPONENT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	ra
	AIR FORCE (computer generated)	
_	3. INSTALLATION AND LOCATION	
	MACDILL AIR FORCE BASE, FLORIDA	
	4. PROJECT TITLE	5. PROJECT NUMBER
	HOUSING MANAGEMENT FACILITY	NVZR940033

half the size required and cannot adequately accommodate customers. lobby is extremely small, which forces customers to wait (stand) in the entrance way until they can be served. No space is provided for a children's play area, which greatly adds to the confused environment as children tire and become restless as their parents await service. files have had to be located one mile from the office due to inadequate space and in an attempt to improve customer service. Three individuals are forced to share a 100 SF office. Two other individuals share a desk, and furnishings management and GOQ management personnel are forced to work in a different building which results in inefficient communications and a poor working environment. There is no private space for counseling or receiving complaints. The housing management office provides a vital service to over 6,000 permanent party families and manages 804 family |housing units. In addition, the office serves all base unaccompanied personnel and manages 1,040 dormitory rooms. The existing facility will be demolished upon completion of this project.

IMPACT IF NOT PROVIDED: Thousands of customers will continue to be served in a facility which is less than half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in a cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable and suseable.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the Air Force Housing Support Facilities Guide."

1. COMPONENT									2	DAT	Έ
	FY	1996 N					PROGR	MAL	ļ		
AIR FORCE				uter o						7.077	a CONCE
3. INSTALLATIO	ON AND L	OCATIO	Ŋ		!	MMAND			5		A CONST
					AIR F		N 3.TT		ŀ		T INDEX
PATRICK AIR F	ORCE BAS					COMM		CITT	DODEE		80
6. PERSONNEL	-		ERMANE	CIV	1	UDENT			PORTEI ENL		
STRENGTH						ENT	CIV	194		560	
a. As of 30 S				1125 914	: :			194		560	
o. End FY 200	U		1655	ENTORY		(\$000	<u> </u>	134	000	13001	4,333
Tetal Name	200 - 1	2,34		MIORI	DAIA	(\$000	<i>/</i>				
a. Total Acre	_	•		ו אם מיז					1:	58,43	1
o. Inventory									1.	7,70	
. Authorizat				_	aram.					7,70	
d. Authorizat e. Authorizat						am.	/EV 1	.997)			
					Progr	aiii:	(FI 1	.3311		3,10	0
f. Planned In		-	gram 1	ears:							0
g. Remaining		cy:									•
n. Grand Tota B. PROJECTS R		TAI DII	TC DDC	OCDAM.	EV 1	996				77,18	<u> </u>
	FOOFSIED	IN In.	IS PRO	GRAM:	rı ı	.556		COST	ישרו י	STON	STATUS
CATEGORY	DDAT	200 T	ים זיי		_	COPE		(\$000		TART	CMPL
CODE	PROU	ECT TI	1116		_	COLE		19000	<u>,, </u>	171(1	CITE
711-142 REPL	ACE FAMI	LV HOII	STNG			70	UN	7,94	וויי די	RN KE	.v
	SE 4	11 1100.	32110				02.	.,			-
	J					TOTAL	: -	7,94	<u> </u>		
On Euturo D	rojects:	Incl	uded :	in the	Follo	wing	Progr			7)	···········
Ja. rulule P	-						UN	3,10		RN KE	Y
	ACE MILI										
711-142 REPL											
711-142 REPL	ACE MILI ASE 7)					TOTAL	: -	3,10)3		
711-142 REPL (PH	ASE 7)	Typi	cal Pl	lanned	Next)3		
711-142 REPL (PH 9b. Future P	ASE 7)					Four	Years	3:		chnic	al
711-142 REPL (PH 9b. Future P 10. Mission	ASE 7) rojects: or Major	Funct	ions:	A sp	ace wi	Four ng; t	Years he Ai	r For	ce Te		
711-142 REPL (PH 9b. Future P 10. Mission Applications	rojects: or Major Center;	Funct	ions: Air (A sp. Combat	ace wi	Four ng; t nd HH	Years he Ai -60 1	r For	ce Te	dron	and
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Funct and an dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Functand and dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the
711-142 REPL (PH 9b. Future P 10. Mission Applications an HC-130 res	rojects: or Major Center; cue squa	Functand and dron.	ions: Air (Also,	A sp. Combat , the	ace wi Comma tempor	Four ng; t nd HH ary b	Years he Ai -60 1 eddov	r For rescue	cce Te	dron for	and the

1. COMPONENT			2	. DATE
'[F	Y 1996 MILITARY C	ONSTRUCTION PROJECT	DATA	
AIR FORCE	(compute	er generated)		
3. INSTALLATION AND	LOCATION	4. PROJECT	TITLE	1
		REPLACE FAM	ILY HOUSING	
PATRICK AIR FORCE	BASE, FLORIDA	PHASE 4		
		7. PROJECT NUMBER	8. PROJECT	COST (\$000)
		İ	1	1
8.87.41	711-142	SXHT964005	İ	7,947

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE MILITARY FAMILY HSG (PHASE 4)	UN	70	57,000	3,990
SUPPORTING FACILITIES				3,184
GARAGES	LS			(290)
DEMOLITION/ASBESTOS/LBP REMOVAL (49UN)	LS			(648)
ROADS AND PAVING	LS		ļ	(358)
UTILITIES	LS			(748)
LANDSCAPING	LS			(580)
RECREATION	LS			(160)
SITE PREPARATION	LS			(400)
SUBTOTAL .				7,174
CONTINGENCY (5%)				359
TOTAL CONTRACT COST				7,533
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				414
TOTAL REQUEST				7,947
	ļ	!		
	!			
AREA COST FACTOR .98	1			

| 10. Description of Proposed Construction: Replace 70 housing units. | Includes the demolition of 49 units, asbestos and lead base paint removal, | site clearing, replacement/upgrade of utility systems and roads. Provides | 2 bedroom units with attached garages, normal amenities to include | parking, air conditioning, exterior patios, recreational areas, and whole | neighborhood improvements.

UNIT TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
JRENL 2BR	950	1.00	60	70	3,990,000
				70	3,990,000

| 11. REQUIREMENT: 2,136 UN ADEQUATE: 1,991 UN SUBSTANDARD: 145 UN | PROJECT: Replace Military Family Housing (Phase 4). (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Patrick AFB, Florida. All units will meet "whole house" standards and are | programmed in accordance with phase 4 of the North and Central Wherry | Housing Replacement phasing plan of the Housing Community Plan. The | housing replacement will provide a safe, comfortable, and appealing living | environment comparable to off-base civilian communities. This is the | last of four replacement phases replacing 550 Wherry units to provide | adequate housing to base personnel. The replacement housing will provide | a modern kitchen, living/dining room, bedrooms and baths, with adequate | interior and exterior storage, and a single garage. Exterior parking will | be provided for a second occupant vehicle and guest. The basic | neighborhood support infrastructure will be replaced to meet modern

•	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	PATRICK AIR FORCE BASE, FLORIDA		
-	4. PROJECT TITLE	5.	PROJECT NUMBER
		ĺ	
	DEDIACE FAMILY HOUSING DHASE 4	į	SXHT964005

housing needs. Neighborhood enhancements will include landscaping and recreational areas.

CURRENT SITUATION: This project replaces 70 Patrick AFB housing units that were constructed between 1952 and 1958. The existing units are one story, concrete block with flat roofs and detached garages (up to 170 feet away from housing units). The unit facades are stark and monotonous. relationship of the garages to the units is poor, and private backyard space is poorly defined. The housing area is open, lacks any sense of human scale, and portrays a very barren and unappealing visual image. These houses are showing the effects of age, continuous heavy use, and the degradation due to the corrosive environment on Florida's coast. The built up gravel flat roofs have deteriorated to where they must be replaced. The exterior walls have developed cracks that allow water and moisture intrusion to the interiors. The infrastructure (sewer, water, electrical) have deteriorated beyond economic repair. The plumbing and heating/air conditioning systems inside the units have also deteriorated beyond economic repair. The bathrooms are small, fixtures are outdated and are energy inefficient. Bedrooms are small and lack adequate closet space. Lighting system throughout the houses are inefficient and are in need of replacement. The majority of units have asbestos in roofs, floor tiles, walls, and ceilings and lead base paint.

| IMPACT IF NOT PROVIDED: Air Force members and their families would | continue to be housed in unsatisfactory conditions, affecting morale and | the retention of quality personnel. Some personnel will continue to | occupy substandard housing while neighbors are in new replaced units. The | current Housing Market Analysis shows an effective housing deficit of 8 | units. Without this last phase of the project, various costly repairs | will be required for these units, with no improvement in the quality of | life.

ADDITIONAL: This project is the fourth phase of the North/ Central Wherry Housing Replacement program, total breakout is as follows: FY93 (New 250, Demo 190), FY94 (New 155, Demo 215), FY95 (New 75, Demo 96) and FY96 (New 70, Demo 49). Total for the four phases are 550 new units and 550 units demolished. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Project has no impact on school. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSING	JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SY R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INSTA	ALLATION							
AIR FORCE 5. DATA AS OF	a. NAME PATRICK	AIR FORCE BASE			b. LOCAT	ION BREVARD CO	OUNTY, FLO	RIDA	
1994 ANALY			URRENT		<u> </u>		PROJEC	TED	
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STR	ENGTH	718	1,902	245	2,865	721	1,878	272	2,871
7. PERMANENT PARTY PER	RSONNEL	718	1,902	245	2,865	721	1,878	272	2,871
8. GROSS FAMILY HOUSIN	G REQUIREMENTS	137	1,107	44	1,288	570	1,465	101	2,136
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	137	1,107	0	0	370	1,400	101	2,,30
a. INVOLUNTARILY S	SEPARATED	0	0	0	0				
b. IN MILITARY HOU		0	0	0	0				
DISPOSED/REPLAI c. UNACCEPTABLE F	HOUSED IN COMMUNITY		0		0				
10. VOLUNTARY SEPARATI	ONS	0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING RE	EQUIREMENTS	137	1,107	44	1,288	570	1,465	101	2,136
12. HOUSING ASSETS (a +	- b)	565	1,452	54	2,071	564	1,432	54	2,050
a. UNDER MILITARY	CONTROL	139	1,363	54	1,556	139	1,363	54	1,556
(1) HOUSED IN EX		137	1,107	44	1,288	139	1,363	54	1,556
(2) UNDER CONT						0	0	0	0
(3) VACANT		0	0	o	0				. <u></u>
(4) INACTIVE		2	256	10	268				
b. PRIVATE HOUSING	3	426	89	0	515	425	69	0	494
(1) ACCEPTABLY	HOUSED	0	0	0	0				
(2) ACCEPTABLE	VACANT RENTAL	0	0	0	0				
13. EFFECTIVE HOUSING DE	FICIT	0	0	0	0	6	33	47	86
14. PROPOSED PROJECT						0	0	70	70

DD FORM (523, NOV 90

1. COMPONENT								2	. DAT	E
j	FY	1996 MILITA	ARY COI	NSTRUC	TION	PROGE	MA	1		
AIR FORCE		(comp	uter o	genera	ted)					
. INSTALLATION	I AND LO	CATION		4. CC	DIAMM			5	. ARE	A CONS
				AIR E	DUCAT	ION			COS	T INDEX
TYNDALL AIR FOR	RCE BASE	, FLORIDA		AND I	'RAINI	NG CC	MMAND		0.	75
6. PERSONNEL		PERMANE	ENT	ST	UDENT	S	SUP	PORTE	Œ.	
STRENGTH	Ī	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 SEP	94	793 3798	1010	69			31	29	103	5,83
b. End FY 2000		726 3643	930	69			31	29	103	5,53
		7. INVE	ENTORY	DATA	(\$000)				
a. Total Acreag	ge: (28,906)								
o. Inventory To	tal As	Of: (30 SE	EP 94)					2	41,69	2
c. Authorizatio	on Not Y	et In Inver	ntory:						2,60	0
d. Authorizatio	n Reque	sted In Thi	s Prog	gram:					5,50	0
e. Authorizatio	on Inclu	ded In Foll	Lowing	Progr	am:	(FY 1	.997)			0
f. Planned In N	Next Fou	ır Program Y	ears:						9,36	6
g. Remaining De	eficiend	y:								0
h. Grand Total:								2	59,15	8
8. PROJECTS REC	QUESTED	IN THIS PRO	OGRAM:	FY 1	.996					
CATEGORY							COST	_		STATUS
CODE	PROJE	CT TITLE		<u>s</u>	COPE		(\$000	<u>) s</u>	TART	CMPL
711-142 REPLAC	E MILT	י.זדאמק עסמי			E 2	UN	5,50	O 1787	RN KE	Y
HOUSI	ING (PHA					_			idv id	-
	ING (PHA	ASE 2)			TOTAL	-	5,50	0		
9a. Future Pro	ING (PHA	ASE 2) Included	in the		TOTAL	: Progr	5,50	0		
9a. Future Pro	ING (PHA ojects: ojects:	Included in Typical Pl	in the		TOTAL wing Four	: Progr Years	5,50 ram (F	0 Y 199	7) NC	NE
9a. Future Pro 9b. Future Pro 711-142 REPLAC	ING (PHA Djects: Djects: CE FAMII	Included in Typical Play Housing	in the Lanned	Next	TOTAL wing Four 115	Progr Years UN	5,50 am (F 3: 9,36	0 Y 199 6 TU	7) NC	NE Y
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or	ojects: ojects: ojects: CE FAMII r Major	Included in Typical Play HOUSING Functions:	in the lanned A fi	Next ghter	TOTAL owing Four 115 wing	Progr Years UN with	5,50 ram (F 3: 9,36 three	0 Y 199 6 TU F-15	7) NC JRN KE	NE Y
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for	ojects: ojects: ce FAMII c Major c traini	Included : Typical Play HOUSING Functions: Ing all F-19	in the lanned A fig airc	Next ghter rews;	TOTAL owing Four 115 wing Air C	Progr Years UN with	5,50 ram (F 3: 9,36 three	0 Y 199 6 TU F-15	07) NC URN KE 5 squa	NE TY drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi	ojects: ojects: c FAMII Major t traini	Included : Typical Play HOUSING Functions: Ing all F-19	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C	Progr Years UN with	5,50 cam (F 3: 9,36 three Comm	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air C uatio	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air Counties	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air Counties	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons
9a. Future Pro 9b. Future Pro 711-142 REPLAC 10. Mission or responsible for Headquarters Fi Air Defense Sec	ojects: ojects: c FAMII r Major r traini irst Air	Included in Typical Play HOUSING Functions: Ing all F-15 Force, a value Air Force	in the Lanned A figure airc: weapon	Next ghter rews; s eval	TOTAL owing Four 115 wing Air Counties	Progr Years UN with combat on gro	5,50 ram (F 3: 9,36 three Commoup, a	0 Y 199 6 TU F-15 and's	O7) NC ORN KE S squa Southea	NE Y drons

1. COMPONENT	2. DATE
FY 1996 MILITARY CONST	RUCTION PROJECT DATA
AIR FORCE (computer ge	enerated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	REPLACE MILITARY FAMILY
TYNDALL AIR FORCE BASE, FLORIDA	HOUSING (PHASE 2)
5. PROGRAM ELEMENT 6. CATEGORY CODE 7.	PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142 | XLWU950100B | 5,500

9. COST ESTIMATE	S			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	52	54,389	2,828
SUPPORTING FACILITIES				2,137
SITE PREPARATION	LS			(184)
ROADS AND PAVING	LS			(275)
UTILITIES	LS		1	(1,103)
LANDSCAPING	LS			(171)
SPECIAL CONSTRUCTION FEATURES	LS		ļ	(184)
DEMOLITION	LS			(220)
SUBTOTAL				4,965
CONTINGENCY (5%)			1	248
TOTAL CONTRACT COST				5,213
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				287
TOTAL REQUEST			1	5,500
				1
			1	1
<u> </u>	1			
AREA COST FACTOR .75	İ	İ	į	į

10. Description of Proposed Construction: Replace 52 housing units. Includes demolition, site clearing, new utility systems and roads, and construction of housing units. Amenities include air conditioning, carports, patios/screened porches, storage buildings, privacy fencing, playgrounds, and recreation areas.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO	2BR	950	. 75	60	14	598,500
JNCO	3BR	1200	.75	60	15	810,000
JNCO	4BR	1350	. 75	60	9	546,750
SNCO	3BR	1350	.75	60	9	546,750
SNCO	4BR	1450	75	60	5_	326,250
					52	2,828,250

| 11. REQUIREMENT: 2,044 UN ADEQUATE: 793 UN SUBSTANDARD: 1,003 UN | PROJECT: Replace Military Family Housing (Ph 2). Construct 52 MFH units | with all associated ancillary appurtenances, "Whole Community" facilities | and all required engineering support facilities. (Current Mission). | REQUIREMENT: This project is required to provide adequate Military Family | Housing (MFH) to support military members and their families assigned to | Tyndall AFB. This project is Phase 2 of a multi-phased program to | construct 450 MFH units and demolish 337 substandard MFH units. All units | will meet "whole house" standards and are programmed in accordance with | the Housing Community Plan. The replacement housing will provide a modern | kitchen, living room, family room, bedroom and bath configuration, with | ample storage and a single car carport. Neighborhood enhancements will

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
İ	,
TYNDALL AIR FORCE BASE, FLORIDA	
4. PROJECT TITLE 5. PR	OJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PHASE 2)	WU950100B

include landscaping, playgrounds, and recreation areas.

CURRENT SITUATION: The Wherry units to be replaced were constructed in the 1950s, and have received only routine maintenance and repair since being constructed. These houses do not meet the needs nor do they provide modern amenities for today's families. Roofs, walls, foundations, and exterior pavements require major repair or replacement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counter space, cabinets are old and unsightly, countertops and sinks are badly worn. Flooring materials are outdated and have evidence of asbestos. Additionally, existing Wherry Housing housing area is located within Tyndall's airfield Accident Potential Zone One (APZ I). These factors have justified the relocation of houses to be replaced.

IMPACT IF NOT PROVIDED: Major morale problems will result because people will continue to occupy substandard housing. Because adequate, affordable off-base housing is not available, houses will continue to be occupied until they become uninhabitable. Current Housing Market Analyses shows a deficit of 248 units. Without this and subsequent phases, repairs of these units will continue out of necessity, in a costly, piecemeal fashion, with no improvement to the quality of life.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. Wholehouse renovation costs were found to be approximately 80% of the replacement costs. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

REQUIREMENTS AND ASSETS (a) (b) (c) (d) (e)	FLORIDA PROJEC E9 -E4 (f) 2,844 2,844 1,517		TOTAL (h) 4,436 4,436 2,044
AIR FORCE 5. DATA AS OF 1994 TYNDALL AIR FORCE BASE TYNDALL AIR FORCE BASE CURRENT OF REQUIREMENTS AND ASSETS 6. TOTAL PERSONNEL STRENGTH 886 3,052 653 4,561 769 7. PERMANENT PARTY PERSONNEL 886 3,052 653 4,561 769 886 886 806 886 886 886 886 8	PROJEC E9 -E4 (f) 2,844	ETED E3 - E1 (g) 823	(h) 4,436 4,436
5. DATA AS OF 1994 TYNDALL AIR FORCE BASE PANAMA CITY, 1994 ANALYSIS OF CONTRIBUTED OF CONTRIBUTION OF THE PREQUIREMENTS AND ASSETS CURRENT 6. TOTAL PERSONNEL STRENGTH 886 3,052 653 4,561 769 7. PERMANENT PARTY PERSONNEL 886 3,052 653 4,591 769 8. GROSS FAMILY HOUSING REQUIREMENTS 886 3,052 653 4,591 769	PROJEC E9 -E4 (f) 2,844	ETED E3 - E1 (g) 823	(h) 4,436 4,436
1994	2,844 2,844	E3 - E1 (g) 823	(h) 4,436 4,436
ANALYSIS OF OFFICER E9-E4 E3 - E1 TOTAL OFFICER E9-E4 (a) (b) (c) (d) (e) (e) (e) (f) (d) (e) (e) (e) (f) (f) (f) (f) (f) (f) (f) (f) (f) (f	2,844 2,844	E3 - E1 (g) 823	(h) 4,436 4,436
OF OFFICER E9-E4 E3 - E1 TOTAL OFFICER E E9-E4 E3 - E1 TOTAL OFFICER E E9-E4 E3 - E1 TOTAL (e) E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1 E1	2,844 2,844	(g) 823	(h) 4,436 4,436
REQUIREMENTS AND ASSETS (a) (b) (c) (d) (e)	2,844	823 823	4,436 4,436
6. TOTAL PERSONNEL STRENGTH 886 3,052 653 4,561 769 7. PERMANENT PARTY PERSONNEL 886 3,052 653 4,591 769 8. GROSS FAMILY HOUSING REQUIREMENTS	2,844	823	4,436
886 3,052 653 4,561 769	2,844	823	4,436
886 3,052 653 4,591 769 8. GROSS FAMILY HOUSING REQUIREMENTS		i	
886 3,052 653 4,591 769 8. GROSS FAMILY HOUSING REQUIREMENTS		i	
	1,517	82	2,044
	1,517	82	2,044
504 1,632 66 2,202 445			
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)			
60 252 13 325			
a. INVOLUNTARILY SEPARATED			
b. IN MILITARY HOUSING TO BE			
DISPOSED/REPLACED 0 0 0			
C. UNACCEPTABLE HOUSED IN COMMUNITY			
60 252 13 325			
10. VOLUNTARY SEPARATIONS			
	0	0	0
11. EFFECTIVE HOUSING REQUIREMENTS			
504 1,632 66 2,202 445	1,517	82	2,044
12. HOUSING ASSETS (a + b)			
453 1,396 54 1,903 406	1,325	65	1,796
a. UNDER MILITARY CONTROL)	j	
137 883 28 1,048 137	904	28	1,069
(1) HOUSED IN EXISTING DOD			
OWNED/CONTROLLED 137 883 28 1,048 137	904	28	1,069
(2) UNDER CONTRACT/APPROVED	0	0	۰ ا
	U	U	U
(3) VACANT			
(4) INACTIVE			
b. PRIVATE HOUSING			
316 513 26 855 269	421	37	727
(1) ACCEPTABLY HOUSED	,		
307 497 25 829			
(2) ACCEPTABLE VACANT RENTAL			
9 16 1 26			
13. EFFECTIVE HOUSING DEFICIT			
51 236 12 299 39	192	17	248
14. PROPOSED PROJECT			
14. Professor Medical	14	38	52
15. REMARKS		A	<u> </u>

DD FORM 1523, NOV 90

1. COMPONENT		- WTT TM1			mrov.	DBOGD	734	2	. DAI	E
TD 707.07	FY 199	6 MILITA				PROGR	AIVI.			
AIR FORCE	AND LOCAE		outer o		MMAND				V D E	A CONST
B. INSTALLATION A	AND LOCAT	TON		4. CC	CINTERINIO			ا		T INDEX
****** **** ****	D	DOTA		 atd c	COMBAT	COMM	7 NII)	+		85 85
MOODY AIR FORCE I	BASE, GEC	PERMANI	יייי יייי		UDENT			PORTE		0.5
6. PERSONNEL	1 01		CIV	OFF		CIV	OFF	ENL	CIV	TOTAL
STRENGTH					EMT	ICIVI	1	11		4,079
a. As of 30 SEP 9		6 3199	:	!!!		1 1	1	11	: :	
o. End FY 2000	33	7. INVI			(\$000] 33	4,003
	/ -		ENIURI	DAIA	(3000	<u>′</u>				
a. Total Acreage	•	(30 CI	ED 04)					- 1	31,83	. 7
. Inventory Tota									31,63 31,48	
. Authorization										
d. Authorization					m -	(FY 1	9971		51	. . 0
e. Authorization				Frogr	ant:	(FI I	2211			0
f. Planned In Nex		rogram	ieais:							0
g. Remaining Def:	iciency:							7	63,82	•
h. Grand Total:	DOMED IN	MILE DD	OCDAM.	FY 1	996	.,			03,02	<u>**</u>
8. PROJECTS REQUI	ESTED IN	THIS PRO	JGRAM:	FI 1	1330		COST	ישרו	CTCM	STATUS
CATEGORY	DDO TECT	कारकार क		c	COPE		(\$000		TART	CMPL
CODE	PROJECT	111115		=	COFE		12000	, 5	IAKI	CHED
a. Future Proj	ects: I	ncluded :			TOTAL	Progr		3	7) NO	
Pa. Future Project. Db. Future Project. Mission or N	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or 1	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9b. Future Proje	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or 1	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
Da. Future Project. Db. Future Project. Mission or N	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
Pa. Future Project. Db. Future Project. Mission or N	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
Da. Future Project. Db. Future Project. Mission or N	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or N	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or 1	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: In ects: Ty Major Fur	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or 1	ects: Ir ects: Ty Major Fur OA-10 squ	ncluded : pical Pinctions:	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or 1	ects: Ir ects: Ty Major Fur OA-10 squ	ncluded : pical Pictions: nadron,	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: Ir ects: Ty Major Fur OA-10 squ	ncluded : pical Pictions: nadron,	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	
9a. Future Proje 9b. Future Proje 10. Mission or D	ects: Ir ects: Ty Major Fur OA-10 squ	ncluded : pical Pictions: nadron,	lanned A co	Next mposit	TOTAL owing Four ce win	Progr Years y wit	51 am (F	3 Y 199	7) NC	

1. COMPONENT	2. DATE
FY 1996 MILI	TARY CONSTRUCTION PROJECT DATA
AIR FORCE (computer generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
MOODY AIR FORCE BASE, GEORGIA	SENIOR OFFICER HOUSING
IS DECEDAM FIRMENTIS CATEGOR	CODE 7 PROJECT NUMBER 8. PROJECT COST (\$000)

QSEU940140 711-142 9. COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM 301 3 | 100,496 UN SENIOR OFFICER HOUSING 162 SUPPORTING FACILITIES (15) LS SITE PREPARATION & LANDSCAPING LS (33) ROADS AND PAVING LS (23) UTILITIES LS (35) LANDSCAPING LS (22) GARAGES AND STORAGE DEMOLITION, ASBESTOS, & LBP REMOVAL LS (34) 463 SUBTOTAL 23 CONTINGENCY (5%) 486 TOTAL CONTRACT COST 27 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 513 |TOTAL REQUEST

Description of Proposed Construction: Replacement of one Senior Officer unit, one General Officer unit, and construction of one Senior Officer unit with all necessary support. Includes appliances, sitework, utility systems, roads, parking, walkways, landscaping, and garages. Demolish two existing SOQ's and six existing FGO units and associated infrastructure. Includes asbestos and lead paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO 4BR	1700	.88	60	2	179,520
GOQ 4BR	2310	.88	60	1_	121,968
				3	301,488

.80

7 UN ADEQUATE: 0 SUBSTANDARD: 6 UN REQUIREMENT: PROJECT: Senior Officer Housing. (Current Mission). Project includes construction of one General Officers Quarters.

REQUIREMENT: This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the installation senior command staff. All units will meet "whole house" standards and are programmed in accordance with Phase "A" of the Housing Community Plan. The housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garages. Exterior parking will be provided for guests and official vehicles. The basic neighborhood support infrastructure will be upgraded to meet modern housing needs.

513

AREA COST FACTOR

1. COMPONENT	2.	DATE
FY 1996 MILI	TARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION		
MOODY AIR FORCE BASE, GEORGIA	·	
4. PROJECT TITLE	5. PROJE	CT NUMBER
SENIOR OFFICER HOUSING	QSEU9	40140

Neighborhood enhancements will include landscaping of common areas. The |Senior Officer housing area will be relocated to comply with the Housing |Community Plan.

CURRENT SITUATION: The two housing units to be replaced were built in 1954 as enlisted duplex units and do not meet current standards for senior officer housing, nor do they provide the modern efficient home layout and amenities found in off-base communities. These units have never received major improvement since their conversion to SOQs and are showing the wear and tear of years of continuous use. The units are poorly configured and the utilities, cabinets and fixtures are all dated, substandard, and in need of replacement. The houses are constructed on concrete slabs, with wood frames. Service lines were placed beneath the concrete slab making replacement and repair difficult and expensive. Electrical, plumbing, mechanical, and structural systems need major repair, or complete replacement. Electrical systems are at maximum capacity. The roof structures require complete replacement, and the insulation, heating, and air conditioning systems are energy inefficient and need to be brought up to modern standards. The units are poorly located, are dislocated from the main housing area, and are within a high noise zone (80-85 Db) near the flightline. The HCP relocates these two SOQs to a site within the main housing area with the remaining four SOQ units, and constructs one new house to satisfy an existing deficit. Three "surplus" (but not upgradable) field grade units will be demolished to make room for this project.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support senior leadership. The condition of the housing will reflect poorly to the many dignitaries frequently entertained in this housing area. As the housing continues to age, accelerated deterioration of electrical, plumbing, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. Housing occupants will continue to reside in an area which does not provide normal community ammenties, or a living environment compatible with the leadership position and entertainment responsibilities of the loccupants.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is essentially a replacement project, there will be no increase in the student population or impact on the ability of local school districts to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost effective over the life of the project. The cost to improve the existing housing represents 72% of the replacement cost for the same four units. This project demolishes eight housing units, replaces two, and builds one new, for a net loss of five housing units.

MILITARY FAMILY HOUSIN		1. DATE OF REPORT (YYMMDD)			2. FISCAI 1996	YEAR	REPORT CO	ONTROL SY R)1716	MBOL	
3. DOD COMPONENT	4. REPORTING INST	ALLATION								
AIR FORCE	a. NAME				b. LOCATION					
5. DATA AS OF	MOODY	MOODY AIR FORCE BASE				VALDOSTA, GA				
31 JANUARY 1992			PROJECTED							
ANALY			CURRENT		TOTAL	OFFICER	E9 -E4	TOTAL		
OF REQUIREMENTS AND ASSETS		OFFICER	E9-E4	E3 - E1 (c)	(d)	(e)	(f)	E3 - E1 (g)	(h)	
		(a)	(b)	(0)	167	(6)	(17)	(g)	1117	
6. TOTAL PERSONNEL STE	ENGIH	348	2,219	509	3,076	285	2,031	566	2,88	
7. PERMANENT PARTY PE	RSONNEL	348	2,219	505	3,072	285	2,031	566	2,88	
8. GROSS FAMILY HOUSIN	IG REQUIREMENTS	245	1,525	141	1,911	209	1,572	173	1,95	
	(HOHOED (b)	245	1,525	141	1,311	209	1,372	173	1,50	
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	12	172	20	204					
a. INVOLUNTARILY	SEPARATED	0	3	0	3					
b. IN MILITARY HOU	ISING TO BE									
DISPOSED/REPLA		0	0	0	0					
c. UNACCEPTABLE I	HOUSED IN COMMUNITY	12	189	20	201					
0. VOLUNTARY SEPARAT	ions	۰	0	0	0	0	0	0		
1. EFFECTIVE HOUSING R	EQUIREMENTS	245	1,525	141	1,911	209	1,572	173	1,95	
2. HOUSING ASSETS (a	+ b)	242	1,378	128	1,748	247	1,485	135	1,86	
a. UNDER MILITARY	CONTROL	34	270	0	304	34	270	0	30	
(1) HOUSED IN E	XISTING DOD		270		304		270			
OWNED/COM		34	270	0	304	34	270	0	30	
(2) UNDER CONT	RACT/APPROVED					0	o	0		
(3) VACANT	· · · · · · · · · · · · · · · · · · ·	0	0	0	0					
(4) INACTIVE	· · · · · · · · · · · · · · · · · · ·	0	0	0	0					
b. PRIVATE HOUSIN	G									
		208	1,108	128	1,444	213	1,215	135	1,5	
(1) ACCEPTABLY		199	1,083_	121	1,403					
(2) ACCEPTABLE	VACANT RENTAL	9	25	7	41					
3. EFFECTIVE HOUSING D	EFICIT	3	147	13	163	(38)	87	38		
4. PROPOSED PROJECT					. 30	,,,,,			-	

9. COST ESTIMATES

J. COST 101111111	1		UNIT	COST
I I ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	SF	5,000	110	550
SUPPORTING FACILITIES	1			212
SEWER & WATER LINES	LS		1	(15)
PAVEMENTS	LS			(90)
LANDSCAPING	LS	1		(50)
DEMOLITION	LS			(15)
SYSTEMS FURNITURE	LS			(<u>42</u>)
SUBTOTAL	1			762
CONTINGENCY (5%)	ļ			38
TOTAL CONTRACT COST	1]		800
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				44
TOTAL REQUEST	1	1	!	844
		1 1		
	-			
AREA COST FACTOR 1.10	1			

10. Description of Proposed Construction: All site preparation, drainage improvements, slab on grade, splitface concrete masonry walls, sloped standing seam metal roof, and decorative interior finishings. Project provides offices, restrooms, counseling and meeting rooms, customer waiting area, computer equipment room, and interior and exterior child play areas. Includes all utilities, parking, landscaping, and demolition.

Air Conditioning: 15 Tons.

11. REQUIREMENT: 5,000 SF ADEQUATE: 0 SUBSTANDARD: 2,211 SF PROJECT: Construct Housing Management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned/operated accompanied and unaccompanied housing assets, for assisting all arriving personnel in finding adequate on or off-base housing, and for managing furnishings for authorized base personnel. The facility must be located for convenient access by all personnel. It must be handicapped accessible and have adequate parking for vehicles pulling trailers, and small trucks which may be used by arriving personnel. The facility must provide office space, a conference room, private counseling rooms, administrative space, a reception and customer waiting area, a customer referral area with multiple telephones, a computer room, and storage space for equipment and publications, a kitchen area for use by families, and interior and exterior play areas for children of customers. Exterior play areas must be provided with recreation equipment and be fenced for security. The facility exterior requires landscaping to enhance customer appeal.

CURRENT SITUATION: The existing wood frame facility was constructed in 1976. It is poorly configured for todays housing management requirements and is half the size required to support the assigned work force and

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION	N PROJECT DATA
AIR FORCE (computer generate	ed)
3. INSTALLATION AND LOCATION	
MOUNTAIN HOME AIR FORCE BASE, IDAHO	
4. PROJECT TITLE	5. PROJECT NUMBER
HOUSING MANAGEMENT FACTLITY	OYZH965006

accompanied and unaccompanied customers. The facility nor its restrooms are handicapped accessible or equipped. Required conference area, child play area, referral assistant area, private counselling areas, reception area, and customer areas are greatly inadequate or non-existant. The housing management office provides a vital service to over 3,500 permanent party families and manages 1,521 family housing units. In addition, the office serves all base unaccompanied personnel and manages 766 dormitory rooms. The existing facility will be demolished upon completion of the replacement structure.

IMPACT IF NOT PROVIDED: Thousands of base customers will continue to be served in a facility which is half the required size and totally inadequate for the purpose of greeting newly arrived personnel and assisting them in finding adequate living accommodations. All newly arriving personnel and many family members will essentially get their first "introduction" to their new location in the existing cramped, deteriorated and unprofessional working environment. Costly and wasteful resource commitment will be necessary to keep the existing facility habitable.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

. COMPONENT							2	. DAT	'E
	1996 MILITA	ARY CO	NSTRUC	TION	PROGR	MA	İ		
IR FORCE	(comp	outer	genera	ted)					
3. INSTALLATION AND LOCATION 4. COMMAND						5	. ARE	A CONST	
AIR MOBILITY							COS	T INDEX	
CCONNELL AIR FORCE E	ASE, KANSAS		COMMA						99
. PERSONNEL	PERMANE	ENT		UDENT		SUP	PORTE		
STRENGTH	OFF ENL	CIV	OFF	ENL	CIV	OFF		CIV	
. As of 30 SEP 94	602 3527		: :		!!!	2		148	
. End FY 2000	589 3216		•	/ 4 - 2 - 2	igsquare	2	11	148	4,145
	7. INVE	ENTORY	DATA	(\$000)				
. Total Acreage: (3,103)	ID 04\					-		
. Inventory Total As			**					20,09	
. Authorization Not		_					-	LO,55	
. Authorization Requ					/ 1332 · 1	007)		5,19	
. Authorization Incl			Progr	am:	(FY 1	.997)			0
. Planned In Next Fo	•	ears:							0
. Remaining Deficier	icy:						2.		0
. Grand Total: . PROJECTS REQUESTED	TN TUTE DDC	OCD AM.	FY 1	996	· · · · · · · · · · · · · · · · · · ·		3.	35,83	4
. PROJECTS REQUESTED	IN THIS PRO	GRAM:	FI 1	.330		COST	מת	TON	STATUS
	TECT TITLE		c	CODE			===		
<u>CODE</u> <u>PROJ</u>	ECT TITLE		2	COPE		(\$000	<u>, s.</u>	TART	CMPL
11 140 DEDIACE EAM?	TV HOHETNE			20	TTNT	E 10	חדות כ	או דונ	T.F
11-142 REPLACE FAMI	LY HOUSING,			39	UN	5,19	3 TUI	en ke	Y
11-142 REPLACE FAMI PHASE 2	LY HOUSING,				_		_	RN KE	Ϋ́Υ
PHASE 2		n the	Follo	TOTAL	:	5,19	3		
PHASE 2 a. Future Projects:	Included i			TOTAL	: Progr	5,19 am (F	3		
PHASE 2 a. Future Projects: b. Future Projects:	Included i Typical Pl	anned	Next	TOTAL wing Four	: Progr Years	5,19 am (F	3 Y 199	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects:	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE
PHASE 2 a. Future Projects: b. Future Projects: 0. Mission or Major	Included i Typical Pl	anned An a	Next ir ref	TOTAL wing Four uelin	: Progr Years	5,19 cam (F	3 Y 199 h four	7) NO	NE

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

MCCONNELL AIR FORCE BASE, KANSAS

REPLACE FAMILY HOUSING

2. DATE

5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

8.87.41 711-142 PRQE969021 5,193

9. COST ESTIMATES

J. 0000				
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	39	81,462	3,177
SUPPORTING FACILITIES				1,511
SITE PREPARATION	LS			(317)
ROADS AND PAVING	LS			(172)
UTILITIES	LS			(221)
LANDSCAPING	LS			(75)
GARAGES/STORAGE/TORNADO SHELTERS	LS			(514)
DEMOLITION/ASBESTOS/LBP REMOVAL	LS			(212)
SUBTOTAL				4,688
CONTINGENCY (5%)				234
TOTAL CONTRACT COST				4,922
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				<u> 271</u>
TOTAL REQUEST				5,193
	1			
	1	ļ ļ		ļ
	1	[
AREA COST FACTOR .99				

| 10. Description of Proposed Construction: Replace 39 housing units. | Includes site preparation, utilities, roads, and landscaping. Amenities | include heating, air-conditioning, floor coverings, garages, appliances, | patios, and privacy fencing. Includes demolition of existing units, | asbestos and lead-based paint removal.

UNIT	TYPE	NET AREA	PROJECT FACTOR	\$/ NSF	NO. UNITS	TOTAL COST
SNCO	3BR	1350	1.00	60	20	1,620,000
SNCO	4BR	1450	1.00	60	11	957,000
CGO	2BR	950	1.00	60	2	114,000
CGO	3BR	1350	1.00	60	6_	486,000
					39	3,177,000

| 11. PROJECT: Replace 39 family housing units (Current Mission).
| REQUIREMENT: Project will provide modern and efficient housing for | military members and their families assigned to McConnell AFB. All units | will meet "whole house/neighborhood" standards and provide a safe, | comfortable, and appealing living environment comparable to the off-base | civilian community. Construction must include tornado shelters for | occupant safety. This project complies with the Housing Community Plan | (HCP).

CURRENT SITUATION: This project replaces Capehart housing units which are lover 37 years old and are showing the affects of age and continuous heavy luse. They have had no major upgrades since construction and do not meet the needs of today's families. Concrete carports pads and walks are cracking and heaving, and carport support posts are rotting. The exterior

1. COMPONENT		2. DATE
	MILITARY CONSTRUCTION PROJECT DATA	\
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCAT	ION	
MCCONNELL AIR FORCE BASE,	KANSAS	
4. PROJECT TITLE	5	. PROJECT NUMBER
REPLACE FAMILY HOUSING		PRQE969021

brick veneer is cracking due to foundation failure. Settlement has allowed termite intrusion, and extensive termite damage is evident. Bathroom plumbing and fixtures require replacement. Plumbing and electrical systems are antiquated and do not meet current safety codes or efficiency standards. Lighting systems throughout the houses are inefficient and do not meet modern needs. Off street parking is severely limited causing traffic congestion. Traffic flow in and around the housing area is inefficient. The units contain asbestos and lead paint which can be a health hazard to the occupants.

IMPACT IF NOT PROVIDED: Air Force members and families will continue to be inadequately housed. Low morale and retention problems can be expected since suitable off-base housing is not available. The current Housing Market Analysis shows an off-base deficit of 632 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facilities Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project.

MILITARY FAMILY HOUSIN	NG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	CAL YEAR REPORT CONTROL SYMBOL DD-A&L(AR)1716				
3. DOD COMPONENT	4. REPORTING INST									
AIR FORCE	a. NAME				b. LOCAT	ION				
5. DATA AS OF 1990	McCONNELL AIR FORCE BASE				WICHITA, KANSAS					
ANAL		CURRENT			(PROJEC	TED			
O)F	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL	
REQUIREMENTS	AND ASSETS	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
6. TOTAL PERSONNEL ST	RENGTH	418	2,082	578	3,078	378	522	1,884	2,784	
7. PERMANENT PARTY PE	ERSONNEL.	418	2,082	578	3,078	378	1,884	522	2,784	
8. GROSS FAMILY HOUSE	NG REQUIREMENTS	318	1,635	196	2,149	288	1,608	191	2,087	
9. TOTAL UNACCEPTABL	Y HOUSED (a + b + c)	15	503	91	609					
a. INVOLUNTARILY	SEPARATED	0	5	2	7					
b. IN MILITARY HOLDISPOSED/REPLA		0	0	0	0					
c. UNACCEPTABLE HOUSED IN COMMUNITY		15	498	89	602					
10. VOLUNTARY SEPARA	TIONS	1	26	4	31	1	25	4	30	
11. EFFECTIVE HOUSING F	REQUIREMENTS	318	1,635	196	2,149	287	1,583	187	2,057	
12. HOUSING ASSETS (a	+ b)	308	1,131	103	1,542	272	1,069	84	1,425	
a. UNDER MILITARY	CONTROL	96	391	0	487	96	493	0	589	
(1) HOUSED IN I OWNED/CO	NTROLLED	95	384	. 0	479	96	493	0	589	
(2) UNDER CON	TRACT/APPROVED		*			o	0	0		
(3) VACANT		1	7	0	8					
(4) INACTIVE	-	0	0	0	0					
b. PRIVATE HOUSIN	łG	212	740	103	1,055	176	576	84	836	
(1) ACCEPTABLY	Y HOUSED	207	722	101	1,030	-				
(2) ACCEPTABLE	E VACANT RENTAL	5	18	2	25					
13. EFFECTIVE HOUSING D	DEFICIT	11	511	93	615	15	514	103	632	
14. PROPOSED PROJECT						8	31		39	
15. REMARKS							· · · · ·		-	

DD FORM 1523, NOV 90

. COMPONENT								12	2. D	ATE	
	FY	1996 MILI	TARY CO	NSTRUC	TION I	PROGR	'AM				
IR FORCE		(cc	mputer o	genera	ited)	·					
. INSTALLATI	ON AND LO	CATION		4. CC	CINAMM			5	5. A	REA	CONS
BARKSDALE AIF	R FORCE BA	ASE,							C	OST	INDE
OUISIANA				AIR C	OMBAT	COMM	IAND			0.84	<u> </u>
. PERSONNEL		PERMA	NENT	S	UDENTS	3	SUPI	PORTI	ED		
STRENGTH]	OFF ENL	CIV	OFF	ENL	CIV	OFF	ENL	CI	V :	COTAL
a. As of 30 S	SEP 94	934 492	25 1267		132	1	3	Ę	5 1	5	7,28
o. End FY 200	00	916 485	2 1068		132	1	3		5 1	<u>5 </u>	6,99
		7. IN	IVENTORY	DATA	(\$000))				,	
. Total Acre	eage: (22,382)									
. Inventory	Total As	Of: (30	SEP 94)					2	236,	084	
. Authorizat	tion Not ?	et In Inv	ventory:						50,	680	
. Authorizat									10,	299	
e. Authorizat	tion Inclu	ided In Fo	ollowing	Progr	ram:	(FY)	.997)		10,	092	
. Planned In	n Next Fou	ır Program	n Years:							0	
g. Remaining	Deficiend	cy:								0	
n. Grand Tota									307,	155	
B. PROJECTS I	REQUESTED	IN THIS I	PROGRAM:	FY I	L996						
CATEGORY							COST	_	ESIG	N S'	ratus
CODE	PROJI	ECT TITLE		9	COPE		(\$000)	<u> </u>	STAR	$\underline{\mathbf{T}}$	CMPL
711-142 REP	LACE MILI	TARY FAMII	ĽΥ		62	UN	10,29	9 TI	JRN	KEY	
HOI	USING (PH	ASE 3)				_		_			
	·- ·										
					TOTAL		10,29				
9a. Future	Projects:	Included		Follo	owing	Progi	am (F	Y 19			
9a. Future 1 711-142 REP	Projects: LACE MILI	Included		Follo		Progi		Y 19	97) URN	KEY	
9a. Future 1 711-142 REP	Projects:	Included		Follo	owing 1	Progr UN	am (F	Y 19:		KEY	***
9a. Future 1 711-142 REP HO	Projects: LACE MILI USING (PH	Included TARY FAMII ASE 4)	LY		owing 108	Progr UN -	10,09	Y 19:		KEY	
Pa. Future 1711-142 REPHO	Projects: LACE MILI' USING (PH	Included TARY FAMII ASE 4) Typical	LY Planned	Next	108 TOTAL Four	Progr UN : Years	10,09:	Y 19: 2 T	URN		ing
9a. Future 1711-142 REP1 HOTO	Projects: LACE MILI' USING (PHI Projects: or Major	Included TARY FAMII ASE 4) Typical Functions	Planneds: Head	Next quart	TOTAL Four	Progr UN : Years	10,093 10,093 10,093	Y 19: 2 TO 2 orce	URN ; a	fly	ing
Pa. Future 1711-142 REP1 HOTEL Pb. Future 1	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espon	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing ng
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espon	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing ng
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Part 18 HOTEL PART 18 HOTEL	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTO 9b. Future 10. Mission wing with the 13-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTO 9b. Future 10. Mission wing with the B-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fe	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTE 9b. Future 1 10. Mission wing with the B-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTO 9b. Future 10. Mission wing with the B-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1 711-142 REP HO 9b. Future 1	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTO 9b. Future 10. Mission wing with the B-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
9a. Future 1711-142 REP1 HOTE 9b. Future 1 10. Mission wing with the B-52 aircrew	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing
Pa. Future 1711-142 REP. HOTEL Photos HOTEL Photos HOTEL Photos Hotel	Projects: LACE MILI' USING (PHO Projects: or Major ree B-52	Included TARY FAMII ASE 4) Typical Functions squadrons	Planned s: Head , one of	Next quarto which	TOTAL Four ers Eight is r	Progr UN : Years ghth espor	10,09 10,09 10,09 S: Air Fensible	Y 19: 2 To 2 orce for	; a tra	fly ini	ing

1. COMPONENT			2. DATE
i i	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
İ		REPLACE MILITARY F	AMILY
BARKSDALE AIR FO	RCE BASE, LOUISIANA	HOUSING (PHASE 3)	
5 PROGRAM ELEME	ENT 6 . CATEGORY CODE 7	. PROJECT NUMBER 8. PRO	JECT COST(\$000)

8.87.41 711-142 AWUB967001 10,299

9. COST ESTIMAT	ES			i
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE MILITARY FAMILY HOUSING-PH-3	UN	62	54,418	3,374
SUPPORTING FACILITIES	1		l	5,923
MISCELLANEOUS SUPPORT	LS			(226)
SITE PREPARATION	LS			(301)
ROADS AND PAVING	LS			(207)
UTILITIES	LS			(307)
LANDSCAPING	LS			(160)
RECREATION	LS			(140)
UTILITY RELOCATIONS TO THE SITE	LS		İ	(4,187)
GARAGES AND STORAGE	LS			(<u>395</u>)
SUBTOTAL				9,297
CONTINGENCY (5%)				465
TOTAL CONTRACT COST				9,762
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			537
TOTAL REQUEST				10,299
				1
				1
AREA COST FACTOR .86		<u> </u>		

| 10. Description of Proposed Construction: Design and construct 31 duplex | Family Housing units with all necessary supporting facilities. Includes: | site development, utilities, roads and parking, sidewalks and street | lighting, garages with storage, patios, privacy fencing, air conditioning, | appliances, exterior storage, recreation and play areas, tot lots, | neighborhood improvements, landscaping, and all other necessary support.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.88	60	42	2,106,720
JNCO 3BR	1200	88	<u>60</u>	20	1,267,200
				62	3,373,920

11. REQUIREMENT: 3,671 UN ADEQUATE: 1,960 UN SUBSTANDARD: 427 UN PROJECT: Replace Military Family Housing (Phase 3). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient replacement housing for military members and their dependents stationed at Barksdale AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the third of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure will be constructed to meet modern housing needs. Neighborhood enhancements will include landscaping,

1	1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	
	AIR FORCE (computer generated)		
Ĭ	3. INSTALLATION AND LOCATION		
ĺ			
ĺ	BARKSDALE AIR FORCE BASE, LOUISIANA		
Ĭ	4. PROJECT TITLE	5.	PROJECT NUMBER
ĺ			
i	PEDLACE MILITARY FAMILY HOUSING (PHASE 3)	İ	AWUB967001

playgrounds, and recreation areas.

CURRENT SITUATION: This initiative replaces housing units to partially satisfy a housing deficit created by the prior demolition (1989) of over 600 units declared uninhabitable due to condition. The result is a severe shortage of housing on the base. According to the most recent Housing Market Analysis, a substantial number of families are unsuitably housed in off-base accommodations. Investigations determined that these families either live in housing below DoD standards, or in housing meeting DoD standards BUT exceeding their maximum housing allowance. With construction of 200 units in the FY94 and 95 programs, the base has a remaining deficit of 1286 units.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending assignment to base units. The base will continue to have a severe shortage of on-base housing which forces families to live elsewhere. The impact is major morale and/or financial problems for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic lanalysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. Since this is essentially replacement housing, and these families are already located in the community, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. The local school authority concurs that no additional school construction will be required. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 4 in the FY97 program.

MILITARY FAMILY HOUSING	JUSTIFICATION	DATE OF REPORT (YYMMDD)			2. FISCAI 1996	L YEAR	REPORT CO	ONTROL SY R)1716	MBOL		
3. DOD COMPONENT	4. REPORTING INST	ALLATION	_								
AIR FORCE	a. NAME		,		b. LOCAT						
5. DATA AS OF	BARKSD	ALE AIR FORCE BASE				SHREVEPORT	r, Louisian	NA			
31 JANUARY 1992	<u> </u>										
ANALY			CURRENT	,			PROJEC				
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL		
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
6. TOTAL PERSONNEL STR	ENGTH		2.22	1 000	E 740	893		4 000			
		1,036	3,670	1,006	5,712	893	3,330	1,328	5,551		
7. PERMANENT PARTY PER	SONNEL	1.036	3,670	1,006	5,712	893	3.330	1.328	5,551		
8. GROSS FAMILY HOUSIN	C RECURPOSEMENTS	1,036	3,670	1,006	5,/12	693	3,330	1,328	5,551		
6. GRUSS PAMILY HUUSIN	G REGUIRENIEN 15	819	3,502	381	4,642	703	2,659	459	3.821		
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	013	3,302	301	7,072	703	2,009	433	3,021		
5. TOTAL DRACCEFTABLE	HOUSED (a + b + c)	138	1,002	171	1,311						
a. INVOLUNTARILY S	SEPARATED		1,002	····	1,011						
a. IIIVOEOIITAILET E	DEI AIIA I ED	4	4	5	13						
b. IN MILITARY HOU	SING TO BE										
DISPOSED/REPLA		0	0	0	0						
	IOUSED IN COMMUNITY	·									
		134	998	166	1,298						
10. VOLUNTARY SEPARATI	ONS			i							
		8	132	16	156	8	120	22	150		
11. EFFECTIVE HOUSING RE	QUIREMENTS										
		819	3,502	381	4,642	695	2,539	437	3,671		
12. HOUSING ASSETS (a +	· b)										
		684	1,836	171	2,691	578	1,433	174	2,185		
a. UNDER MILITARY	CONTROL			ĺ							
		197	316	0	429	105	324	0	429		
(1) HOUSED IN EX											
OWNED/CON		197	316	0	429	105	324	0	429		
(2) UNDER CONT	RACT/APPROVED							_	_		
(O) 1/1 CANT						0	0	0	0		
(3) VACANT		0	0	0	o						
(4) INACTIVE											
(4) MACHVE		0	0	o	0						
b. PRIVATE HOUSING	1				Ť						
2	•	487	1,520	171	2,178	473	1.109	174	1.756		
(1) ACCEPTABLY	HOUSED		.,-20				.,				
,		476	1,485	166	2,127						
(2) ACCEPTABLE	VACANT RENTAL										
		11	35	5	51						
13. EFFECTIVE HOUSING DE	FICIT										
		135	1,099	182	1,416	117	1,106	263	1,486		
14. PROPOSED PROJECT											
•						0	62	0	62		

DD FORM 1523, NOV 90

1. COMPONENT				•				12	. DAT	E
	FY 1996	FY 1996 MILITARY CONSTRUCTION PROGRAM						_		
AIR FORCE (computer generated)										
3. INSTALLATION	ON AND LOCATIO				MMAND			5	. ARE	A CONST
				!	DUCAT	ION		i i		T INDEX
KEESLER AIR F	ORCE BASE, MI	SSISSIF		!			DMMAND	i	0.	
6. PERSONNEL	· · · · · · · · · · · · · · · · · · ·	PERMANE		SI	UDENTS	3	SUPI	PORTE	D I	
STRENGTH	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIVI	TOTAL
a. As of 30 S	EP 94 964	3874	2280	594	2162		7	347	97	10,325
b. End FY 200	0 991	3900	2152	558	2613	<u> </u>	7	347	97	10,665
		7. INVE	NTORY	DATA	(\$000))				
a. Total Acre	age: (3,	546)								
b. Inventory '	Total As Of:	(30 SE	P 94)	**				2	80,07	1
c. Authorization Not Yet In Inventory: 18,100										
d. Authorization Requested In This Program: 9,300										
e. Authorization Included In Following Program: (FY 1997) 6,500										
f. Planned In		ogram Y	ears:						1	0
g. Remaining	Deficiency:								1	0
h. Grand Tota								3:	13,97	1
8. PROJECTS R	EQUESTED IN T	HIS PRO	GRAM:	FY 1	996					
CATEGORY							COST		SIGN	STATUS
CODE	PROJECT T	ITLE		<u>s</u>	COPE		(\$000)	<u>s'</u>	FART	CMPL
711-142 REPL					98	UN	9,300) TU	KN KE	Y
HOU	SING (PHASE 1)			mor	_	0.00	-		
0- 7-1					TOTAL:		9,300		- \	
	rojects: Inc		n the	LOT10	_	rogr UN				*7
	ACE MILITARY : SING (PHASE 2				/6	OIA	6,500) TU	RN KE	I
HOU	SING (PRASE 2	,			TOTAL:	_	6,500	-		
9b. Future P	rojects: Typ	igal Di	22204					,		-
	or Major Func									
	responsible			_					a	

| 10. Mission or Major Functions: Headquarters Second Air Force; a | training wing responsible for communications, electronics, and | administrative courses and a C-12/C-21 airlift squadron responsible for | aircrew training; an Air Force Materiel Command engineering installation | squadron; an Air Force Reserve airlift wing with one C-130 airlift | squadron and one WC-130 weather reconnaissance squadron; and a major Air | Force medical center.

1. COMPONENT		2. DATE
FY 1996	MILITARY CONSTRUCTION PROJ	TECT DATA
AIR FORCE	(computer generated)	
3. INSTALLATION AND LOCAT	TION 4. PROJE	CT TITLE
İ	REPLACE	MILITARY FAMILY
KEESLER AIR FORCE BASE, M	HOUSING HOUSING	(PHASE 1)
5. PROGRAM ELEMENT 6. CAT	EGORY CODE 7. PROJECT NUMB	ER 8. PROJECT COST(\$000)
	İ	

711-142

MAHG964001

9. COST ESTIMATE	ES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	98	49,020	4,804
SUPPORTING FACILITIES				3,591
UTILITIES/EMCS/COMM	LS		İ	(497)
SITE IMPROVEMENTS	LS			(549)
PAVEMENTS	LS		ĺ	(591)
DEMOLITION	LS			(687)
LANDSCAPING	LS			(356)
RECREATION	LS		ļ	(536)
NEIGHBORHOOD IMPROVEMENTS	LS			(<u>375</u>)
SUBTOTAL				8,395
CONTINGENCY (5%)				420
TOTAL CONTRACT COST	1			8,815
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)				485
TOTAL REQUEST				9,300
			ļ	
	ļ		ļ	ļ
AREA COST FACTOR .84				

| 10. Description of Proposed Construction: Replace 98 housing units. | Work includes all site work, utility & sewage systems, pavements to | include off-street parking, walks, and required street improvements, comm | support, ancillary appurtenances such as signage, screens & walls, and | community facilities such as commons, parks, ballfields, and play areas. | Includes demolition, asbestos and lead-based paint removal.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	.86	_60	98	4,803,960
4				98	4,803,960

REQUIREMENT: 5,259 UN ADEQUATE: 2,840 UN SUBSTANDARD: PROJECT: Replace Military Family Housing (Ph 1). Replace 98 MFH units with all associated ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission). REQUIREMENT: This work is required to replace aged housing which is inefficently designed, inadequately appointed, improperly sited, obsolete in its configuration and engineering systems, and generally not useful. All units will meet "whole house" and are programmed in accordance with the Housing Community Plan. Replacement housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to provide adequate housing for base personnel. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample storage and a single car garage. Neighborhood enhancements will include landscaping, playgrounds, and park areas.

9,300

8.87.41

]1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATE	ra
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
į	
KEESLER AIR FORCE BASE, MISSISSIPPI	
4. PROJECT TITLE	5. PROJECT NUMBER
REPLACE MILITARY FAMILY HOUSING (PHASE 1)	MAHG964001

CURRENT SITUATION: The existing units are unable to adequately meet contemporary Air Force design standards in their current configuration and condition. They are similarly unable to support efficient continued use if a major upgrade project is not implemented due to their numerous deficiencies, many of which simply cannot be overcome with improvements to to existing facilities. Roofs, walls, and foundations require replacement. Plumbing and electrical systems are antiquated and do not meet current standards for safety or efficiency. All rooms are small and do not have necessary storage, cabinets, and fixtures. Heating and air conditioning systems require replacement.

IMPACT IF NOT PROVIDED: Adequate housing will not be provided consistent with the requirements of the "Whole House, Whole Community" initiative for the design and construction of housing and support facilities in the housing vicinity. Major morale problems will result if this replacement initiative is not supported. People will continue to occupy substandard

housing. The current Housing Market analysis shows a projected deficit of 806 units. Affordable off-base housing is not available.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This project is consistent with Keesler's Military Family Housing Community Development Plan and is the first phase of a multi-phased initiative to replace 34 units in Shadowlawn and 136 units in South Harrison Court. Phase 2 is programmed for FY 97. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to

support base dependents.

MILITARY FAMILY HOUSING	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	. YEAR	REPORT CO	ONTROL SY	MBOL			
3. DOD COMPONENT	4. REPORTING INSTA	ALLATION									
AIR FORCE	a. NAME				b. LOCATION						
5. DATA AS OF	KEESLER	AIR FORCE BASE			BILOXI, MISSISSIPPI						
1993					L		222				
ANALYS	SIS		CURRENT		1 ===:	OFFICER	PROJEC E9 -E4	E3 - E1	TOTAL		
OF		OFFICER	E9-E4	E3 - E1	TOTAL				(h)		
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(n)		
6. TOTAL PERSONNEL STRE	ENGTH	1,268	3,929	2,430	7,627	1,373	4,593	3,209	9,175		
7. PERMANENT PARTY PER	SONNEL	1,268	3,929	2,430	7,627	1,373	4,593	3,209	9,175		
8. GROSS FAMILY HOUSING	3 REQUIREMENTS	940	3,215	372	4,527	1,018	3,758	483	5,259		
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)				955						
		187	581_	65	833						
a. INVOLUNTARILY S	EPARATED	0_	0	0	0						
b. IN MILITARY HOUS	SING TO BE		1	_	_						
DISPOSED/REPLAC		0	0	0	0						
c. UNACCEPTABLE H	OUSED IN COMMUNITY	187	581	65	833						
10. VOLUNTARY SEPARATION	ONS	0	0	0	0	0	0	o	0		
11. EFFECTIVE HOUSING RE	QUIREMENTS	940	3,215	372	4,527	1,018	3,758	483	5,259		
12. HOUSING ASSETS (a +	b)	869	3,105	355	4,329	851	3,121	481	4,453		
a. UNDER MILITARY (CONTROL	287	1,470	196	1,953	287	1,470	196	1,953		
(1) HOUSED IN EX		287	1,470	196	1,953	287	1,470	196	1,953		
OWNED/CONT (2) UNDER CONTR		287	1,470	190	1,555				0		
(3) VACANT						0	0	0	0		
		0	0	0	0						
(4) INACTIVE		0	0	0	0						
b. PRIVATE HOUSING		582	1,635	159	2,376	564	1,651	285	2,500		
(1) ACCEPTABLY	HOUSED	466	1,164	111	1,741						
(2) ACCEPTABLE	VACANT RENTAL	116	471	48	635						
13. EFFECTIVE HOUSING DE	FICIT	71	110	17	198	167	637	2	806		
14. PROPOSED PROJECT					<i>\$</i> .	·	98	0	98		

DD FORM 1523, NOV 90

1. COMPONENT				2. DATE					
	FY 1996 MILITARY CONSTRUCTION PROGRAM								
AIR FORCE	(computer generated)								
3. INSTALLATION AND LO	CATION	4. COMMAND		5. AREA CONST					
				COST INDEX					
WHITEMAN AIR FORCE BAS	SE, MISSOURI	AIR COMBAT CO	MMAND	1.05					
6. PERSONNEL	PERMANENT	STUDENTS	SUPPOI						
STRENGTH	OFF ENL CIV	OFF ENL CI	V OFF E	NL CIV TOTAL					
a. As of 30 SEP 94	442 3002 671		9	33 168 4,325					
b. End FY 2000	306 2495 587		29	33 168 3,618					
	7. INVENTORY	DATA (\$000)							
a. Total Acreage: (
b. Inventory Total As		*		562,244					
c. Authorization Not 3				118,028					
d. Authorization Reque				9,948					
e. Authorization Inclu		Program: (FY	1997)	9,451					
f. Planned In Next For				0					
g. Remaining Deficience	zy:			0					
h. Grand Total:				699,671					
8. PROJECTS REQUESTED	IN THIS PROGRAM:	FY 1996							
CATEGORY			COST	DESIGN STATUS					
CODE PROJI	CT TITLE	SCOPE	<u>(\$000)</u>	START CMPL					
711-142 CONSTRUCT MI	LITARY FAMILY	72 UI	7 9,948	TURN KEY					
	1)/LAND ACQUISIT								
	· · · · · · · · · · · · · · · · · · ·	TOTAL:	9,948						
9a. Future Projects:	Included in the	Following Pro	gram (FY	1997)					
711-142 CONSTRUCT MIN HOUSING (PH	LITARY FAMILY	76 UI	9,451	TURN KEY					
HOODING (FIL	wa e,	TOTAL:	9,451						
9b. Future Projects:	Typical Planned								
10. Mission or Major	Functions: A bo	mb wing with	ne squadr	on of B-2					

^{|10.} Mission or Major Functions: A bomb wing with one squadron of B-2 |aircraft; an Air Force Space Command missile wing consisting of one |Minuteman II intercontinental ballistic missile squadron (scheduled to |inactive by FY 96/1) with HH-1 aircraft; and an Air Force Reserve fighter |wing with one A/AO-10 squadron.

1. COMPONENT	2. DATE
FY 1996 MILITARY O	CONSTRUCTION PROJECT DATA
AIR FORCE (comput	cer generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	CONSTRUCT MILITARY FAMILY
WHITEMAN AIR FORCE BASE, MISSOURI	HOUSING (PH 1)/LAND ACQUISIT'N
5. PROGRAM ELEMENT 6. CATEGORY CODE	2 7. PROJECT NUMBER 8. PROJECT COST(\$000)

8.87.41 711-142 YWHG969400 9,948

9. COST ESTIMATES

	1		UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
MILITARY FAMILY HOUSING (PH 1)/LAND	UN	72	72,787	5,241
SUPPORTING FACILITIES				3,740
MISCELLANEOUS SUPPORT	LS		[(205)
GARAGES AND STORAGE	LS			(477)
SITE PREPARATION	LS			(395)
ROADS AND PAVING	LS			(692)
UTILITIES	LS	1		(580)
LANDSCAPING	LS	. 1		(250)
RECREATION	LS			(181)
BASEMENTS	LS	[(410)
LAND ACQUISITION	LS	1		(_ 550)
SUBTOTAL	1	1		8,981
CONTINGENCY (5%)		İ	İ	449
TOTAL CONTRACT COST	İ	ĺ	İ	9,430
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	ĺ	İ	İ	519
TOTAL REQUEST	ĺ	İ		9,948
		İ	İ	İ
AREA COST FACTOR 1.05	لـــــــــــــــــــــــــــــــــــــ	İ		

| 10. Description of Proposed Construction: Design and construct 72 single | or duplex family housing units with all necessary support. Includes: | land acquisition, site development, utilities, roads, parking, sidewalks, | street lighting, garages, storage, patios, privacy fencing, air | conditioning, appliances, recreation and play areas, tot lots, | neighborhood improvements, landscaping, and all other necessary support.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 2BR	950	1.06	60	38	2,295,960
JNCO 3BR	1350	1.06	60	30	2,575,800
JNCO 4BR	1450	1.06	<u>60</u>	4_	368,880
				72	5,240,640

11. REQUIREMENT: 3,347 UN ADEQUATE: 1,757 UN SUBSTANDARD: 991 UN PROJECT: Construct Military Family Housing (Phase 1) and acquire required land for development. (New Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Whiteman AFB. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the first of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure

-		
٠,	1. COMPONENT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJE	ECT DATA
	AIR FORCE (computer generated)	
	3. INSTALLATION AND LOCATION	
_	WHITEMAN AIR FORCE BASE, MISSOURI	
	4. PROJECT TITLE	5. PROJECT NUMBER
		j
_	CONSTRUCT MILITARY FAMILY HOUSING (PH 1)/LAND ACQUIS	SIT'N YWHG969400

|will be constructed to meet modern housing needs. Neighborhood |enhancements will include landscaping, playgrounds, and recreation areas. |Land acquisition (149 acres) is required for construction of the new |housing area, and is sited directly adjacent to the existing housing area, |and is an unemcumbered, privately owned land parcel.

CURRENT SITUATION: The rural community surrounding Whiteman AFB does not have sufficient, adequate housing assets to support existing requirements. The latest Housing Market indicates a deficit of 599 housing units. The deficit is significant for Junior NCO grades. These are the families who can least afford to live off-base. Off-base housing is very difficult to find, and expensive. No land is available within current base boundaries to support construction of additional homes.

| IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in | substandard or expensive off-base housing if families wish to avoid | lengthy involuntary separations pending assignment to base units. The | base will continue to have a severe shortage of on-base housing which | forces families to live elsewhere. The impact is major morale and/or | financial problems for the affected families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic lanalysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will be included as an option for accomplishment of Phase 2 in the FY97 program.

MILITARY FAMILY HOUSING	JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SYI R)1716	MBOL		
3. DOD COMPONENT	4. REPORTING INST.	ALLATION									
AIR FORCE	a. NAME		b. LOCATION								
5. DATA AS OF	WHITEM	AN AIR FORCE BASE			KNOB NOSTER, MISSOURI						
1992											
ANALY			URRENT			OFFICER	PROJEC		TOTAL		
Of		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL		
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
6. TOTAL PERSONNEL STR	ENGTH	462	1,948	582	2,992	641	3,509	1,048	5,198		
7. PERMANENT PARTY PE	RSONNEL	462	1,948	582	2,992	641	3,509	1,048	5,198		
8. GROSS FAMILY HOUSIN	G REQUIREMENTS										
		141	929	32	1,102	398	2,647	302	3,347		
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	12	80	32	124						
a. INVOLUNTARILY	SEPARATED	0	0	0	0						
b. IN MILITARY HOU		0	0	0	0						
DISPOSED/REPLA	CED IOUSED IN COMMUNITY			0							
C. UNACCEPTABLE	IOOSED IN COMMONITY	12	80	32	124						
10. VOLUNTARY SEPARAT	IONS	o	. 0	0	0	0	0	0	0		
11. EFFECTIVE HOUSING R	EQUIREMENTS	141	929	32	1,102	398	2,647	302	3,347		
12. HOUSING ASSETS (a 4	- b)	275	1,389	135	1,799	379	2,165	204	2,748		
a. UNDER MILITARY	CONTROL	129	849	0	978	132	859	0	991		
(1) HOUSED IN E OWNED/CON		129	849	0	978	132	859	0	991		
(2) UNDER CONT						0	0	0	0		
(3) VACANT		0	0	0	0						
(4) INACTIVE		0	0	0	0						
b. PRIVATE HOUSING	3	146	540	135	821	247	1,306	204	1,757		
(1) ACCEPTABLY	HOUSED	110		. 30							
(2) ACCEPTABLE	VACANT RENTAL										
13. EFFECTIVE HOUSING D	EFICIT	12	80	32	124	19	482	98	599		
14. PROPOSED PROJECT		12		<u> </u>	12.4	0	72	0	72		

DD FORM 1523, NOV 90

1. COMPONENT							2	DAT	ľE
!	1996 MILIT				PROGE	MA			
AIR FORCE		puter o							22 003700
B. INSTALLATION AND L	OCATION		14. C	DIMAMMO			-		EA CONST
			 	701M7M	G010				ST INDEX
NELLIS AIR FORCE BASE				COMBAT			DODETT		.11
5. PERSONNEL	PERMAN			TUDENT:	CIV	OFF	PORTI	CIA	momar
STRENGTH	OFF ENL	CIV	OFF	ENL	I CTA				
a. As of 30 SEP 94	891 6317		!] 1	 	8		7 254	
o. End FY 2000	775 5391			/¢000	<u> </u>	8		7 254	7,29
		ENTORY	DATA	(\$000	<u>, </u>				
a. Total Acreage: (24,419)	TD 04\					-	75 06	
. Inventory Total As			٠.				-	375,96	
. Authorization Not								11,48	
d. Authorization Requ					/ *** * *	0071		1,35	
e. Authorization Incl		-	Prog	ram:	(FY 1	.997)			0
f. Planned In Next Fo		rears:							0
g. Remaining Deficien	cy:						-		0
n. Grand Total:	THE PRITE DE	OCDAM.	EV .	1996				888,80	, o
B. PROJECTS REQUESTED	IN IHIS PR	OGRAM:	FI.	1990		COST	ום יו	EST CN	STATUS
CATEGORY	nam mimin			SCOPE		(\$000		TART	CMPL
<u>CODE</u> <u>PROJ</u>	ECT TITLE			SCOPE		12000	<u>,, </u>	IAKI	CMFD
	runcerons.	HTT	waria:	re cen	cer;	arry	tiid i	ving t	Juac
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	adversary t aircraft), HH-60 resc ing unit (F	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
10. Mission or Major includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train Air Force Materiel Co	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron
includes the Weapons fighter squadron, an (F-4G, F-15 and F-16 (Thunderbirds), and a School; a joint train	School (A-1 adversary t aircraft), HH-60 reso ing unit (<i>F</i>	0, F-1 threat the US cue squ Air War	5, F-: group AF Ai: adron rior)	15E, a (Red r Demo: ; Air ; a RE	nd F Flag) nstra Force	-16 a: , a tation e Comb	ircra: test : Squa pat Re	Et), a squad: dron escue	ron

1. COMPONENT		2. DATE
<u>`</u> l	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	1
AIR FORCE	(computer generated)	

3. INSTALLATION AND LOCATION

4. PROJECT TITLE

NELLIS AIR FORCE BASE, NEVADA

REPLACE SENIOR OFFICER HOUSING

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000)

8.87.41 711-142 RKMF964002 1,357

9.	COST	ESTIMATES

J. COST ESTIMATE	2			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE SENIOR OFFICER HOUSING	UN	6	131,157	787
SUPPORTING FACILITIES				438
SITE PREPARATION	LS			(46)
ROADS AND PAVING	LS			(89)
UTILITIES	LS			(75)
LANDSCAPING	LS			(48)
GARAGES & STORAGE	LS			(90)
DEMOLITION, ASBESTOS & LBP REMOVAL	LS			(90)
SUBTOTAL				1,225
CONTINGENCY (5%)		1		<u>61</u>
TOTAL CONTRACT COST				1,286
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)			ļ	71
TOTAL REQUEST			-	1,357
			1	
				1
			ĺ	
		.		I
AREA COST FACTOR 1.11				!

10. Description of Proposed Construction: Replace 6 housing units.

Includes asbestos and lead-based paint removal, demolition, site clearing, replacement and upgrade of utility systems and roads, and construction of new single family units. Provides normal amenities to include appliances, garages, parking, air conditioning, exterior patios and privacy fencing, and landscaping.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
SGO	4BR	1700	1.17	60	4	477,360
GOQ	4BR	2100	1.17	60	1	147,420
GOQ	4BR	<u>2310</u>	1.17	_60	1_	162,162
					6	786,942

11. REQUIREMENT: 19 UN ADEQUATE: 13 UN SUBSTANDARD: 6 UN

PROJECT: Replace senior officer housing. Project includes replacement of
two general officer quarters. (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient
replacement housing for military members and their dependents stationed at

Nellis AFB. All units will meet "whole house" standards and are programmed in accordance with Phase 1 of the Housing Community Plan. Replacement housing will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The replacement housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garages. Exterior parking will be provided for a guests and an official vehicle. The basic neighborhood support

1. COMPONENT			2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT D	ATA(
AIR FORCE	(computer generated)		
3. INSTALLAT	ION AND LOCATION		
NELLIS AIR FO	ORCE BASE, NEVADA		
4. PROJECT T	ITLE	5.	PROJECT NUMBER
REPLACE SENIO	OR OFFICER HOUSING		RKMF964002

infrastructure will be upgraded to meet modern housing needs. Neighborhood enhancements will include landscaping of common areas. CURRENT SITUATION: This project replaces five housing units which were contructed in 1957 and one constructed in 1968. These houses are showing the effects of age and continuous heavy use. They have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Roofs, walls, |foundations and exterior pavements require major repair or replacement owing to the effects of age and the environment. The existing built-up roofing systems do not meet current roofing standards, degrade the overall appearance of the houses, have numerous leaks which have made already | inadequate (by today's standards) insulation even less effective. Foundation and pavements are showing signs of failure owing to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energyinefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly, and countertops and sinks are badly worn. Flooring throughout the houses is outdated and contains evidence of asbestos. Plumbing and electrical systems are outdated and do not meet modern building codes. There is no Ground Fault Interrupter Circuit protection, and many electrical outlets lack grounding protection. Lighting systems throughout the houses are inefficient and require replacement. The houses do not contain garage space to protect automobiles from adverse weather. Heating and air conditioning systems require replacement. IMPACT IF NOT PROVIDED: Major morale problems will result if this replacement initiative is not supported. The housing will continue to be occupied until it becomes totally uninhabitable. Generals and senior officers, who because of their responsibilities have been designated as critical for on-base housing, will be forced to move off-base diminishing their ability to perform their duties. Without this initiative, costly peacemeal repairs will continue out of necessity, with no improvement in the living quality. ADDITIONAL: This project meets the criteria/scope specified in Part II of

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective approach to fix the units. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected. Improvement costs represent 94% of the replacement value. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JU	STIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	NTROL SYN	MBOL
	4. REPORTING INSTA	LLATION							
AIR FORCE				b. LOCAT					
5. DATA AS OF	NELLIS A	S AIR FORCE BASE				LAS VEGAS,	NEVADA		
31 JANUARY 1992					PROJECTED				
ANALYSIS			CURRENT	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
OF		OFFICER	E9-E4	1	(d)	(e)	(f)	(g)	(h)
REQUIREMENTS AND		(a)	(b)	(c)	(0)	(0)	\'''	197	(11)
6. TOTAL PERSONNEL STRENG	STH	1,070	6,068	1,752	8,890	837	3,933	1,306	6,076
2 DEDITABLE DARTY DEDEC	MARI	1,070	0,000	1,702	0,000				-,
7. PERMANENT PARTY PERSO	NNEL	1,070	6,068	1,752	8,890	837	3,933	1,306	6,076
8. GROSS FAMILY HOUSING R	FOUREMENTS	.,,,,,,	7,555						· · · · · · · · · · · · · · · · · · ·
a. Gross Family Hooding H	EGONEMENTO	769	4,271	555	5,595	600	2,778	410	3,788
9. TOTAL UNACCEPTABLY HO	USED (a + b + c)								
		19	142	104	265				
a. INVOLUNTARILY SEP	ARATED								
	_	0	0	0	0				
b. IN MILITARY HOUSIN	G TO BE								
DISPOSED/REPLACED		0	0	0	0				
c. UNACCEPTABLE HOU	SED IN COMMUNITY		1	104	265				
		19	142	104	265		· · · · · · · · · · · · · · · · · · ·		
10. VOLUNTARY SEPARATION	S	۱ ,	۰ ا		ا ا	0	0	o	0
11. EFFECTIVE HOUSING REQU	IREMENTS								
		769	4,271	555	5,595	600	2,778	410	3,788
12. HOUSING ASSETS (a + b)									
		775	4,238	467	5,480	605	2,763	347	3,715
a. UNDER MILITARY CO	NTROL					***			
		92	1,280	36	1,408	105	1,279	37	1,421
(1) HOUSED IN EXIS		92	1,280	36	1,408	105	1,279	37	1,421
OWNED/CONTRO (2) UNDER CONTRAC		92	1,280	30	1,400		1,2.70		- 1,1-
(2) ORDER CORTIAN	SIARRIOVED					0	0	0	0
(3) VACANT									
101		0	0	0	0				
(4) INACTIVE									
		0	0	0	0		·		•
b. PRIVATE HOUSING							١		
		683	2,958	431	4,072	500	1,484	310	2,294
(1) ACCEPTABLY HO	USED				2000				
101 4005074515144	CANT BENTAL	658	2,849	415	3,922				
(2) ACCEPTABLE VA	CANT KENTAL	25	109	16	150				
13. EFFECTIVE HOUSING DEFIC	·IT		109	10	133				
13. EFFECTIVE MOUSING DEFIC	<i>4</i> 11	(6)	33	88	115	(5)	15	63	73
14. PROPOSED PROJECT		(0)							
THE PROPERTY OF THE PROPERTY O						6			6

	•								
1. COMPONENT							2	. DAT	E
FY 1996 MILITARY CONSTRUCTION PROGRAM									į
AIR FORCE	(com	puter g	genera	ted)			į		
3. INSTALLATI	ON AND LOCATION		4. CO				5	. ARE	A CONST
i		į					j	cos	T INDEX
HOLLOMAN AIR	FORCE BASE, NEW MEX	ICO	AIR C	OMBAT (COMM	AND	į.	1.	06
6. PERSONNEL	PERMAN	ENT	ST	UDENTS		SUPP	ORTE	D	
STRENGTH	OFF ENL	CIV	OFF	ENL C	CIV	OFF	ENL	CIV	TOTAL
a. As of 30 S	SEP 94 536 4025	1048	181	150	12	7	8	61	6,028
b. End FY 200	00 483 4090	1048	6	34	2	26	239	397	6,325
	7. INV	ENTORY	DATA	(\$000)					
a. Total Acre	eage: (58,565)								
b. Inventory	Total As Of: (30 S)	EP 94)					3	37,78	6
c. Authorizat	tion Not Yet In Inve	ntory:						22,52	0
d. Authorizat	tion Requested In Th	is Prog	gram:					22	5
e. Authorizat	tion Included In Foll	lowing	Progra	am: (I	FY 19	97)			0
f. Planned Ir	n Next Four Program	Years:							0
g. Remaining	Deficiency:								0
h. Grand Tota							3	60,53	1
8. PROJECTS F	REQUESTED IN THIS PRO	OGRAM:	FY 1	996					İ
CATEGORY						COST	DE	SIGN	STATUS
CODE	PROJECT TITLE		S	COPE	_	(\$000)	<u>s</u>	TART	CMPL
711-142 REPI	LACE GENERAL OFFICER			1 (JN	225	TU	RN KE	Y
ЈОН	JSING								
				TOTAL:		225			
	Projects: Included :						199	7) NO	NE
	Projects: Typical P								
·	or Major Functions:	_	- ·	-					
	of which is respons			_					, a
•	con (HH-60 helicopte:						_		
	adron (F-4 aircraft)		_			_			ins
the Harvest E	Bare kit); and an Ai:	r Force	Mate	riel Co	ommai	nd tes	t gr	oup.	

			12	DATE
1. COMPONENT		2770m 53m		DAIE
FY 1996 MILITARY CONSTRUC		DUECT DAT	A	
AIR FORCE (computer gene		TECH MINI		
3. INSTALLATION AND LOCATION	1	JECT TITL		.
	!	E GENERAL	OFFICER	•
HOLLOMAN AIR FORCE BASE, NEW MEXICO	HOUSING		DDO TECT	COST (\$000)
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PRO	DECL NO	MBER 8.	PROJECT	COST (\$000)
	5053000			225
0.07.41	D953009			445
9. COST ESTIM	ATES	1	UNIT	COST
	177 /34	 QUANTITY		(\$000)
ITEM		QUANTITY 1	162,162	-
REPLACE GENERAL OFFICER HOUSING	UN	 	102,102	182
SUPPORTING FACILITIES	17.0	1	1	(5)
SITE PREPARATION	LS	1	1	(6)
ROADS AND PAVING	LS LS	1 1	1	(5)
UTILITIES	LS	 	 	(8)
LANDSCAPING	LS	l I	 	(8)
GARAGE	LS	 	 	(9)
DEMOLITION, ASBESTOS, & LBP REMOVAL	1 115	! 		203
SUBTOTAL		! 		10
CONTINGENCY (5%)	i	! 		213
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	 	<u> </u>	12
TOTAL REQUEST	′ ¦	1		225
TOTAL REQUEST	i	1		i
[İ	İ	i	İ
 	İ	İ	İ	İ
	i	i	i	i

10. Description of Proposed Construction: Replacement of one General Officer housing unit with all neccessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal.

1.06

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ 4BR	2310	1.17	60	1_	162,162
			· · · · · · · · · · · · · · · · · · ·	1	162,162

11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN PROJECT: General Officer Housing. (Current Mission).

REQUIREMENT: This project is required to provide modern and efficient four bedroom housing appropriate for family living and the entertainment responsibilities of the Wing Commander at Holloman AFB. This unit will meet "whole house" standards and is programmed in accordance with Phase "A" of the Housing Community Plan. The house will provide a safe, comfortable and appealing living environment comparable to the off-base civilian community. The housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and two-car garage. Exterior parking will be provided for guests and an official vehicle. Neighborhood enhancements will include landscaping of common areas.

| CURRENT SITUATION: The existing unit was constructed in 1959 and has | received no major renovation since original construction. The kitchen | cabinets, carpet, walls, and ceilings are worn and in need of replacement

AREA COST FACTOR

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
HOLLOMAN AIR FORCE BASE, NEW MEXICO	
	. PROJECT NUMBER
	KWRD953009

The size of the house is well below the authorized and required floor area for an Installation Commander's housing unit. The kitchen and dining lareas are very small. The plumbing and electrical systems are antiquated and do not meet current standards for efficiency and safety. Electrical circuits do not meet National Electrical Code Standards. The heating and air conditioning systems require upgrade or replacement. The existing down-draft air handling system is outdated, inefficient, and difficult to keep in operation. Ceilings and exterior walls lack adequate insulation. Existing windows are single pane and not energy efficient. Floors are old, worn, and in need of replacement. Many lighting and plumbing fixtures are in need of replacement. Bedrooms are small and lack adequate closet space.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support its most senior leader. The condition of the house will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. The housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost efficient over the life of the project. However, since revitalization exceeded 70% of the replacement value of the houses, replacement construction was selected. Improvement costs represent 86% of the replacement value. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JU			1. DATE OF REPORT (YYMMDD)			2. FISCAI 1996	. YEAR	REPORT C	ONTROL SYI R)1716	MBOL
3. DOD COMPONENT AIR FORCE 5. DATA AS OF	4. REPORTING	HOLLOMAN AIR	R FORCE BASE			b. LOCATION ALAMAGORDO, NEW MEXICO			EXICO	
31 JANUARY 1992							,			
ANALYSIS OF			OFFICER	CURRENT E9-E4	E3 - E1	TOTAL	OFFICER	PROJEC	TED E3 - E1	TOTAL
REQUIREMENTS AND	ASSETS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STRENG			1 10/	107	10,	,,,,,	10/	- ``	197	11.7
			234	1,987	1,162	3,383	255	2,147	1,264	3,666
7. PERMANENT PARTY PERSON	INEL		234	1,987	1,162	3,383	255	2,147	1,264	3,666
8. GROSS FAMILY HOUSING RE	QUIREMENTS		139	1,225	o	1,364	194	1,632	225	2,051
9. TOTAL UNACCEPTABLY HOL	JSED (a + b + c)		0	0	0	o				
a. INVOLUNTARILY SEPA	RATED		0	0	0	o				
b. IN MILITARY HOUSING	TO BE									
DISPOSED/REPLACED			0	0	0	0				
c. UNACCEPTABLE HOUS	ED IN COMMUNITY		0	0	0	o				
10. VOLUNTARY SEPARATIONS			0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING REQUI	REMENTS		139	1,225	0	1,364	194	1,632	225	2,051
12. HOUSING ASSETS (a + b)						2,210				2,277
a. UNDER MILITARY CON	TROL		139	1.225	0	1,364	157	1,277	0	1,434
(1) HOUSED IN EXISTI			139	1,225	0	1,364	157	1,277	0	1,434
(2) UNDER CONTRACT	~~~		139	1,425		1,304	0	1,2//	0	1,434
(3) VACANT		· · · · · · · · · · · · · · · · · · ·	0	0	0	0	0	0	, 0)	
(4) INACTIVE		······································	0	0	0	0				
b. PRIVATE HOUSING						846				843
(1) ACCEPTABLY HOU	SED	****							1	240
(2) ACCEPTABLE VAC	ANT RENTAL									
3. EFFECTIVE HOUSING DEFICE	Т		٥	0	0	0	(12)	38	(252)	(226
4. PROPOSED PROJECT							1	33	,234,	1
- D5144 DV0							1	1	L	

i				m T	.n.~~-	7.76	2	. DA	re
	FY 1996 I	MILITARY CO			ROGE	CAM	ļ		
AIR FORCE		(computer	-					3.73	The CONC.
3. INSTALLATIO	N AND LOCATION	N	!	MMAND			5		EA CONS
			AIR F			_	!		ST INDE
KIRTLAND AIR F				IEL CC					. 02
6. PERSONNEL		ERMANENT		UDENTS			PORTE		Ļ
STRENGTH	OFF			-					TOTAL
a. As of 30 SE	: :	2937 2588	: :	18]	135		:	10,10
b. End FY 2000		3014 2586		18		135	151	914	10,19
	· · · · · · · · · · · · · · · · · · ·	. INVENTORY	DATA	(\$000)					
a. Total Acrea	=								
b. Inventory T								47,94	
c. Authorizati								18,70	
d. Authorizati								11,00	
e. Authorizati	on Included I	n Following	Progr	am: ((FY 1	.997)		6,33	39
f. Planned In	Next Four Pro	gram Years:							0
g. Remaining D	eficiency:								0
h. Grand Total							4	83,9	В0
8. PROJECTS RE	QUESTED IN TH	IS PROGRAM:	FY 1	996					
CATEGORY						COST	DE	SIGN	STATUS
CODE	PROJECT TI	<u>rle</u>	<u>s</u>	COPE		(\$000	<u> </u>	TART	CMPL
711-142 REPLA	CE FAMILY HOUS	SING,		105	UN	11,00	O TU	RN KI	EY
PHAS	E 2						_		
				TOTAL:		11,00	0		
9a. Future Pr	ojects: Incl	uded in the	Follo					7)	
711-142 REPLA	CE FAMILY HOU	SING,		60	UN	6,33	9 TU	RN K	EY
PHAS	E 3				_				
···				TOTAL:		6,33	9		
9b. Future Pr				Four Y	/ears	3:			
9b. Future Pr 10. Mission o	r Major Funct	ions: Phil	lips I	Four Y	ears	the	Air F		
9b. Future Pr 10. Mission o Operational Te	r Major Funct st and Evalua	ions: Phil tion Center	lips I ; an A	Four Y aborat ir Edu	ears cory;	the .	Air F d Tra	ining	
9b. Future Pr 10. Mission o Operational Te Command specia	r Major Funct st and Evalua l operations	ions: Phil tion Center wing with t	lips I ; an A hree f	Four Y aborat ir Edu lying	ears ory; cati trai	the lon and	Air F d Tra	ining lrons	g
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5	r Major Funct st and Evalua l operations 3, TH-53, UH-	ions: Phil tion Center wing with t 1, MH-60, M	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air
9b. Future Pr 10. Mission o Operational Te Command specia operating MH-5 base wing; Air	r Major Funct st and Evalua l operations 3, TH-53, UH- Force Securi	ions: Phil tion Center wing with t 1, MH-60, M ty Police A	lips I ; an A hree f C-130	Four Y aborat ir Edu lying and HO	(ears cory; icati trai	the lon and ining airc	Air F d Tra squad	ining lrons an	g air

1. COMPONENT	The state of the s		2. DATE
F	Y 1996 MILITARY CO	NSTRUCTION PROJECT	DATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AND	D LOCATION	4. PROJECT	TITLE
İ		REPLACE FAM	ILY HOUSING,
KIRTLAND AIR FORCE	BASE, NEW MEXICO	PHASE 2	
		7. PROJECT NUMBER	8. PROJECT COST(\$000)
	1		
1 0 07 41	711-142	MHMV964001	11.000

9. COST ESTI	MATES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING	UN	105	69,914	7,341
SUPPORTING FACILITIES	1			2,590
SITE PREPARATION	LS			(440)
DEMOLITION AND ENVIRONMENTAL	LS			(<u>2,150</u>)
SUBTOTAL	1			9,931
CONTINGENCY (5%)				497
TOTAL CONTRACT COST	[10,428
SUPERVISION, INSPECTION AND OVERHEAD (5.5	옿)			<u> 574</u>
TOTAL REQUEST				11,000
	1			
	1			
	1			
	1			
	1			
AREA COST FACTOR 1.02	1			

|10. Description of Proposed Construction: Replace 105 CGO family housing |units. Includes demolition of existing housing, asbestos and lead-based |paint removal, and construction of replacement units with associated |single car garages. Provides patios with privacy fences, storage areas, |and trash can enclosures. Site preparation support includes utility |repair, landscaping, community development, and street repair.

		NET	PROJECT	\$/	NO.	
UNIT	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
CGO	2BR	950	1.00	60	52	2,964,000
CGO	3BR	1350	1.00	60	39	3,159,000
CGO	4BR	1450	1.00	60	14_	1,218,000
					105	7,341,000

| 11. REQUIREMENT: 2,978 UN ADEQUATE: 1,085 UN SUBSTANDARD: 1,736 UN | PROJECT: Replace 105 CGO family housing units, Phase 2. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents. All units | will meet "whole house" standards and are programmed in accordance with | Phase D of the Housing Community Plan. Replacement housing will provide a | safe, appealing living environment comparable to that found in the | civilian community. This is the second of multiple phases to provide | adequate housing for base personnel. Of the 272 units to be replaced in | this multi-phase initiative, 104 are completed or included in prior | programs, and 63 will follow in subsequent phases. | CURRENT SITUATION: These units were constructed in 1949 and have received

only routine maintenance and repair since construction. These units are

١	1. COMPONENT	2. DATE
İ	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	1
I	AIR FORCE (computer generated)	
١	3. INSTALLATION AND LOCATION	•
	KIRTLAND AIR FORCE BASE, NEW MEXICO	
-		. PROJECT NUMBER
1	REPLACE FAMILY HOUSING, PHASE 2	MHMV964001

undersized, energy inefficient, and would require a complete floor plan change to meet modern day standards. The fixtures in the bathrooms and kitchens are no longer reparable and must be replaced. The units lack common features found in homes off-base such as family rooms and master baths. The flat roofs require frequent emergency stop-gap maintenance. Asbestos is present in the flooring, insulation, interior walls, and roofing of each of these units. Lead-based paint is present on both the interior and exterior of the units. The neighborhood is too dense, leaving precious little privacy for families. These units have outlived their useful life; replacement is the most logical method to provide acceptable housing for these company grade officer members and their families.

IMPACT IF NOT PROVIDED: Major morale problems will result if this replacement initiative is not supported. Some people will continue to occupy inadequate housing while neighbors and friends are in new, replaced units. Asbestos and lead-based paint will remain in the units, possibly exposing people to a known dangerous substance. The housing will continue to be occupied until it becomes uninhabitable because adequate, affordable housing is not available. The current Housing Market Analysis shows a family housing deficit of 147 units. Operations and maintenance of the existing units will continue at a costly rate due to deterioration of building systems and inadequate energy conservation design. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility |Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSING JUSTIF		(1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	. YEAR	REPORT C	ONTROL SY	MBOL		
3. DOD COMPONENT AIR FORCE 5. DATA AS OF	a. NAME	NG INSTALLATION KIRTLAND AIR FO	RCE BASE			b. LOCAT		QUERQUE, NEW MEXICO				
1993	<u> 1</u>			CURRENT	·	1		PROJEC	TEN			
ANALYSIS OF			OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL		
REQUIREMENTS AND ASSI	ETS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)		
6. TOTAL PERSONNEL STRENGTH			1,186	2,588	588	4,362	1,327	2,289	520	4,136		
7. PERMANENT PARTY PERSONNEL	•		1,186	2,588	588	4,362	1,327	2,289	520	4,136		
8. GROSS FAMILY HOUSING REQUI	REMENTS		962	2,041	185	3,188	1,071	1,794	162	3,027		
9. TOTAL UNACCEPTABLY HOUSED	(a + b + c)		151	125	8	284						
a. INVOLUNTARILY SEPARAT	ED		5	14	1	20						
b. IN MILITARY HOUSING TO	BE											
DISPOSED/REPLACED			0	0	0	0						
c. UNACCEPTABLE HOUSED I	N COMMUNITY	4	146	111	7	264						
10. VOLUNTARY SEPARATIONS			4	46	4	54	6	40	3	49		
11. EFFECTIVE HOUSING REQUIREM	ENTS		962	2,041	185	3,188	1,065	1,754	159	2,978		
12. HOUSING ASSETS (a + b)			870	1,906	176	2,952	970	1,702	159	2,831		
a. UNDER MILITARY CONTRO	L		354	1,610	157	2,121	354	1,610	157	2,121		
(1) HOUSED IN EXISTING DOWNED/CONTROLLED			354	1.610	157	2,121	354	1,610	157	2,121		
(2) UNDER CONTRACT/API			394	1,010	137	2,121	0	0	.57	2,12		
(3) VACANT			0	0	0	0						
(4) INACTIVE			0	0	0	0						
b. PRIVATE HOUSING			516	296	19	831	616	92	2	710		
(1) ACCEPTABLY HOUSED		· · · · · · · · · · · · · · · · · · ·	453	260	16	729						
(2) ACCEPTABLE VACANT	RENTAL		63	36	3	102						
3. EFFECTIVE HOUSING DEFICIT			92	135	9	236	95	52	0	147		
4. PROPOSED PROJECT							105		ĺ	105		

1. COMPONENT									2. DA	TE
j	FY	1996 MILITA	ARY COI	NSTRUC	TION	PROGI	MAS			
AIR FORCE		(comp	uter 9	genera	ited)				<u> </u>	·
3. INSTALLATIO	N AND LO	CATION		4. CC	DINAMM)			5. AR	EA CONST
				}					!	ST INDEX
POPE AIR FORCE	BASE, 1	NORTH CAROL	AM	AIR (OMBAT	COM			1	.86
6. PERSONNEL		PERMANI	ENT	S	UDENT	S	SUI	POR		Ţ
STRENGTH	_	OFF ENL	CIV	OFF	ENL	CIV	OFF	EN	r CIA	TOTAL
a. As of 30 SE	P 94	552 3801	375			i			71	
b. End FY 2000		550 3779								4,665
		7. INVI	ENTORY	DATA	(\$000)				
a. Total Acrea	ge: (1,913)								
b. Inventory T	otal As	Of: (30 SF	EP 94)	*					112,8	04
c. Authorizati	on Not	Yet In Inver	ntory:						37,6	10
d. Authorizati	on Requ	ested In Thi	is Pro	gram:					9,9	84
e. Authorizati	on Incl	uded In Foll	lowing	Progr	cam:	(FY	L997)			0
f. Planned In	Next For	ur Program :	lears:							0
g. Remaining D	eficien	cy:								0
h. Grand Total	:								160,3	98
8. PROJECTS RE	QUESTED	IN THIS PRO	GRAM:	FY :	L996					
CATEGORY							COST	ו יו	DESIGN	STATUS
CODE	PROJ.	ECT TITLE		<u>:</u>	SCOPE		(\$000	<u>)</u>	START	CMPL
711-142 CONST	RUCT MI	LITARY FAMI	LY		104	UN	9,98	34 '	TURN K	EY
HOUS	ING (PH	ASE 2)				_				
					TOTAL		9,98			
9a. Future Pr	ojects:							7Y 1	997) N	ONE
9b. Future Pr										
		Functions:								
squadron, one				o C-1	30 squ	ladro	ns; ai	nd H	eadqua	rters
Joint Special	Operati	ons Command	•							

Page No

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA

(computer generated) AIR FORCE 3. INSTALLATION AND LOCATION

4. PROJECT TITLE CONSTRUCT MILITARY FAMILY

POPE AIR FORCE BASE, NORTH CAROLINA

| HOUSING (PHASE 2)

5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000)

TMKH967000 9,984 8.87.41 711-142 9. COST ESTIMATES

			!!!!	UNIT	COSI	
	ITEM	U/M	QUANTITY	COST	(\$000)	_
•	CONST MILITARY FAMILY HOUSING-PH 2	UN	104	53,485	5,562	
	SUPPORTING FACILITIES				3,450	
	SITE PREPARATION	LS			(492)	
	ROADS AND PAVING	LS			(543)	
	UTILITIES	LS			(408)	
	LANDSCAPING	LS			(219)	
	RECREATION	LS	1		(214)	
	GARAGES AND STORAGE	LS			(589)	
	LAND ACQUISTION	LS			(<u>985</u>)	
	SUBTOTAL	1			9,012	

CONTINGENCY (5%) 451 9,463 TOTAL CONTRACT COST 520 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 9,984 TOTAL REQUEST

AREA COST FACTOR .86 10. Description of Proposed Construction: Construct 104 single/ duplex housing units and acquire necessary land. Includes: site development, utilities, roads and parking, sidewalks, street lighting, garages, storage, patios, privacy and perimeter fencing, air conditioning, appliances, recreation and play areas, neighborhood improvements, landscaping, fire protection, and energy management features.

UNIT TYPE JRENL 2BR JNCO 2BR JNCO 4BR	NET <u>AREA</u> 950 950 1350	PROJECT FACTOR .86 .86	\$/ NSF 60 60	NO. UNITS 24 60 10	TOTAL COST 1,176,480 2,941,200 696,600
SNCO 4BR	1450	. 86	<u>60</u>	<u> </u>	<u>748,200</u>
				104	5,562,480

970 UN SUBSTANDARD: REQUIREMENT: 1,967 UN ADEQUATE: PROJECT: Construct Military Family Housing (Phase 2). (New Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Pope AFB. All units will meet "whole house" standards. This is the second of multiple phases to provide adequate housing for base personnel. This housing will provide a safe, comfortable, and appealing living environment comparable to the off-base civilian community. The units will provide a modern kitchen, living room, dining room, and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. The neighborhood support infrastructure will be constructed to meet modern housing needs.

[1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
A SOUTH TOTAL MODELL GIROLTM	
POPE AIR FORCE BASE, NORTH CAROLINA	
4. PROJECT TITLE	5. PROJECT NUMBER
CONSTRUCT MILITARY FAMILY HOUSING (PHASE 2)	TMKH967000

Neighborhood enhancements will include landscaping, playgrounds, and recreation areas. Land acquisition is required as no unemcumbered land on Pope AFB or Ft Bragg Army Post is available to support this project.

| CURRENT SITUATION: The community and Ft Bragg surrounding Pope AFB has insufficient, inadequate housing assets to support Pope requirements and programmed realignment actions. The latest Housing Market Analysis indicates a deficit (after completion of a companion FY95 project) of 418 housing units. The largest deficit is in 2-bedroom Junior NCO housing category. These are the families who can least afford to live off-base. Construction of off-base rental units has declined to very low levels, and available units rent for over \$400 per month. This cost drives available housing out of the price range of junior enlisted families. Land acquisition is required as no land on Pope or Ft Bragg is available to support this requirement.

IMPACT IF NOT PROVIDED: There are no reasonable alternatives to living in substandard or expensive off-base housing if families wish to avoid lengthy involuntary separations pending possible future assignment to base units. Families will continue to be forced to live off-base at greater distances from the base than are desirable and/or in expensive or otherwise unsuitable housing near the base. Ultimately, the mission will suffer from the effects of low morale and increased stress due to financial strains on families.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic lanalysis has been prepared comparing the alternatives of construction, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, construction was found to be the most cost effective over the life of the project. The local school authority will be contacted to determine its capability to accept the increase in student population generated by this project. This project will be executed as a Request For Proposal (RFP). To maximize opportunities for economy of scale, the RFP will include options for accomplishment with Phase 1 in the FY95 program to include land acquistion options.

MILITARY FAMILY HOUSIN	IG JUSTIFICATION	1. DATE OF REPORT (YYMMDD)	r		2. FISCA 1996	LYEAR	REPORT C	ONTROL SY R)1716	MBOL	
3. DOD COMPONENT	4. REPORTING INS	ALLATION								
AIR FORCE	a. NAME		······································		b. LOCAT	ION				
5. DATA AS OF	POPE A	R FORCE BASE				FAYETTEVIL	LE, NC			
31 JANUARY 1992	_									
ANAL	YSIS		CURRENT				PROJEC	red		
0		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL	
REQUIREMENTS		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	
6. TOTAL PERSONNEL ST	RENGTH		Ì							
		610	2,793	845	4,248	301	2,163	655	3,11	
7. PERMANENT PARTY PE	RSONNEL									
		610	2,793	845	4,248	301	2,163	655	3,11	
8. GROSS FAMILY HOUSI	NG REQUIREMENTS									
0 70741 11814 005774 711	V. 11011055 /	416	2,073	241	2,730	204	1,596	185	1,98	
9. TOTAL UNACCEPTABL	T HOUSED (a + b + c)	33	671	127	831					
a. INVOLUNTARILY	CEDADATED	- 33	0/1	127	631					
a. INVOLUTABLE	SEFANATED	2	11	2	15					
b. IN MILITARY HOL	ISING TO BE		 		 					
DISPOSED/REPLA		0		0	0					
c. UNACCEPTABLE	HOUSED IN COMMUNIT	7								
		31	660	125	816					
10. VOLUNTARY SEPARAT	TONS									
		2	17	5	24	1	· 13	4	1	
1. EFFECTIVE HOUSING F	EQUIREMENTS									
2. HOUSING ASSETS (a		416	2,073	241	2,730	203	1,583	181	1,96	
2. HUUSING ASSEIS (8	+ 0)	392	1,430	113	1,935	196	1,069	44	1 20	
a. UNDER MILITARY	CONTROL	332	1,430	113	1,335	196	1,009	44	1,30	
a. ONDER MIETARI	CONTINOL	89	370	0	459	89	370	0	45	
(1) HOUSED IN E	XISTING DOD						0.0		70	
OWNED/COM	NTROLLED	89	370	0	459	89	370	0	45	
(2) UNDER CONT	TRACT/APPROVED									
						0	0	0		
(3) VACANT			1							
(4) 1514 671 (5			0	0	0					
(4) INACTIVE			1	_						
b. PRIVATE HOUSIN	G	0	0	0	0					
D. THIVAIL HOUSIN	G	303	1,060	113	1,476	107	699	44	85	
(1) ACCEPTABLY	HOUSED	303	1,000	113	1,470	107	033	44	60	
(1, 11000, 11100		292	1,015	109	1,416					
(2) ACCEPTABLE	VACANT RENTAL		1							
		11	45	4	60					
3. EFFECTIVE HOUSING D	EFICIT									
		24	643	128	795	7	514	137	651	
4. PROPOSED PROJECT										
5. REMARKS							80	24	104	

DD FORM 1523, NOV 90

	ONENT								2	. DAT	TE .
		1996		ARY CON			PROGR	MA			
IR FOR				outer o						3 70 7	a contro
	ALLATION AND LO				4. CC	INAMM)		5		EA CONS
	-JOHNSON AIR F	DRCE B.	ASE,						!		T INDE
	AROLINA						COMM		DODEE		. 86
. PERS	•		ERMANI			TUDENT			PORTE		
STRE	· · · · · · · · · · · · · · · · · · ·	OFF	ENL	CIV	OFF	ENL	CIV	OFF	ENL	CIV	
	f 30 SEP 94	455	3625	:	l			1		130	
. End	FY 2000		~			/+00		1	6	130	5,46
				ENTORY	DATA	(\$000))				
	l Acreage: (4,1							-	06.46	
	ntory Total As								1	96,48	
	orization Not									19,11	
	orization Requ						/ 2007 - 1	0051		20	
	orization Incl				Progr	cam:	(FY 1	.997)			0
	ned In Next Fo		gram	Years:							0
-	ining Deficien	cy:							_	15 70	0
	d Total:		T.C. D.D.	000011	777.	1006				15,79	74
	ECTS REQUESTED	IN TH	IS PRO	OGRAM:	FY.	1996		COST	י די	CTCM	STATUS
CATEGOR	-		mr n			2000				TART	CMPL
CODE	PROJ	ECT TI	TLE		<u> </u>	SCOPE		(\$000	<u>''</u>	IAKI	CMFD
	DEDIAGE CENTE	DAT OF	משטדשי			_	1 UN	20	4 тт	RN KI	~V
711-142		RAL OF	FICER			-	L OIV	20	- IC	illi ill	31
	HOUSING					TOTAL	r. •	20	14		
) - Fb.	ture Projects:	Tnal	dod	in the	F011					7) NO	INE
									1 +/-	,,, 110	J1111
	ture Projects:										
LO. Mi	ssion or Major	Funct	ions:	A II	yıng '	wing v	with I	our F	T2 I	ignte	er
വാമർമ്മ					.		9				
- quuur C	ns, one of whi	ch con	ducts	F-15E	init	ial qu	ualifi	icatio	ntra	ining	g; and
a KC-10	air refueling	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 letermi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 letermi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 letermi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	e
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е
a KC-10 determi	air refueling ned); and an A	squad	lron (schedu	init:	ial quo depa	art wi	icatio ith ti	.ming	to be	е

1. COMPONENT	2. DATE
FY 1996 MILITARY CON	STRUCTION PROJECT DATA
AIR FORCE (computer	generated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
SEYMOUR JOHNSON AIR FORCE BASE	REPLACE GENERAL OFFICER
NORTH CAROLINA	HOUSING
	TROTTEGE NUMBER 10 PROTECT COCT (COCO)

9. COST ESTIMAT	ES			
		1	UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE GENERAL OFFICERS HOUSING	UN	1	131,670	132
SUPPORTING FACILITIES				53
SITE PREPARATION	LS	1		(6)
ROADS AND PAVING	LS		[[(5)
UTILITIES	LS	1		(7)
LANDSCAPING	LS	1		(10)
GARAGE	LS			(11)
DEMOLITION, ASBESTOS AND LBP REMOVAL	LS	1		(_14)
SUBTOTAL				185
CONTINGENCY (5%)				9
TOTAL CONTRACT COST	İ			194

10. Description of Proposed Construction: Replacement of one General Officer housing unit with all neccessary support. Includes demolition of the existing unit and new construction to include appliances, sitework, utility systems, parking, walkways, landscaping, and a two-car garage. Includes asbestos and lead-based paint removal and solar considerations.

SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

TOTAL REQUEST

AREA COST FACTOR

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
GOQ 4BR	2310	. 95	60	1	131,670
				1	131,670

.86

| 11. REQUIREMENT: 1 UN ADEQUATE: 0 SUBSTANDARD: 1 UN | PROJECT: Replace General Officer Housing. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | fourbedroom housing appropriate for family living and the entertainment | responsibilities of the Wing Commander at Seymour Johnson AFB. This unit | will meet "whole house" standards and is programmed in accordance with | Phase "1" of the Housing Community Plan. The housing will provide a safe, | comfortable and appealing living environment comparable to the off-base | civilian community. The housing will provide a modern kitchen, living | room, family room, bedroom and bath configuration, with ample interior and | exterior storage and a two-car garage. Exterior parking will be provided | for guests and an official vehicle. Neighborhood enhancements will | include landscaping of common areas.

| CURRENT SITUATION: This project replaces a GOQ constructed in 1958. This | 38-year old house is showing the effects of age and continuous heavy use | and provides over 100 SF less living space than the GOQ standard. It has

11

204

ī	1. COMPONENT	2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DATA	
	AIR FORCE (computer generated)	
	3. INSTALLATION AND LOCATION	
	SEYMOUR JOHNSON AIR FORCE BASE NORTH CAROLINA	
	4. PROJECT TITLE 5.	PROJECT NUMBER
	REPLACE GENERAL OFFICER HOUSING	VKAG966002

| had no major upgrade since construction and does not meet the needs of today's families nor does it provide a modern home environment. Walls, foundations, and exterior pavements require major repair or replacement due to the effects of age and the environment. Wall insulation is |inadequate. Foundations and pavements are showing signs of failure due to settlement. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. The interior is generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small and fixtures are outdated and energy inefficient. The kitchen has inadequate storage and counter space, cabinets are old and unsightly, counter tops and sinks are badly worn, and plumbing and electrical systems are outdated. There are no Ground Fault Circuit Interrupters as are required by electrical codes. The number of outlets is minimal which results in the use of extension cords which can create a hazardous situation. Lighting systems throughout the house are inefficient and do not meet modern needs. Heating and air conditioning system requires upgrade or replacement.

IMPACT IF NOT PROVIDED: The base will continue to have substandard housing to support its most senior leader. The condition of the house |will reflect poorly to the many dignitaries frequently entertained in the house. As the house continues to age, accelerated deterioration of electrical, plumbing, mechanical, and other systems can be expected, with increasing and unacceptable maintenance and repair costs to the base. housing occupant will continue to reside in an environment not compatible with his/her leadership position and entertainment responsibilities. ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local school district to support base dependents. An economic analysis has been prepared comparing the alternatives of new construction, improvement, leasing, and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. The cost to improve the existing house represents 75% of the replacement cost.

MILITARY FAMILY HOUSING	JUSTIFICATION	1. DATE OF REPORT (YYMMDD)			2. FISCAI 1996	L YEAR	REPORT CO	ONTROL SY	MBOL				
3. DOD COMPONENT	4. REPORTING INSTA	ALLATION											
AIR FORCE	a. NAME				b. LOCAT								
5. DATA AS OF	SEYMOU	R-JOHNSON AIR FORCE B	ASE			GOLDSBORO	, NC						
31 JANUARY 1992					<u> </u>								
ANALYSI	S		CURRENT				PROJEC						
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL				
REQUIREMENTS AN		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)				
6. TOTAL PERSONNEL STREET	NGTH					l							
		690	3,410	719	4,819	664	3,621	1,018	5,303				
7. PERMANENT PARTY PERS	ONNEL			l <u>-</u>		l							
		690	3,410	719	4,819	664	3,621	1,018	5,303				
8. GROSS FAMILY HOUSING	REQUIREMENTS			}									
		530	2,901	203	3,614	506	3,070	278	3,854				
9. TOTAL UNACCEPTABLY F	IOUSED (a + b + c)		l										
		2	80	28	110								
a. INVOLUNTARILY SE	PARATED			1 -	1								
		2	8	6	16								
b. IN MILITARY HOUSI													
DISPOSED/REPLACE		0	. 0	0	0								
c. UNACCEPTABLE HO	DOSED IN COMMONITY		72	34	106								
10. VOLUNTARY SEPARATIO	No.		/2	37	100								
TO. VOLUNTARY SEPARATIO	N9	3	35	4	42	3	38	5	46				
11. EFFECTIVE HOUSING REC	NUDEMENTS		- 33		72		30		40				
THE EFFECTIVE HOOSING REC	ZOINEMEN 19	530	2,901	203	3,614	503	3,032	273	3,808				
12. HOUSING ASSETS (a +)	h)		2,001	200	0,0.14		0,002		0,000				
12. 11005114G ASSETS (8 T)	D)	533	2,812	174	3,519	510	2,979	246	3,735				
a. UNDER MILITARY C	ONTROL		2,0.2		0,0.0		2,070	2.40	0,700				
a. ONDER MILITARY C	ONTHOL	154	1,544	0	1,698	154	1,544	٥	1,698				
(1) HOUSED IN EXI	STING DOD	107	1,044		1,000	104	1,0 ++	Ť	.,000				
OWNED/CONTI		154	1,544	0	1,698	154	1,544	0	1,698				
(2) UNDER CONTRA			1,011				.,		.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
,_,						0	0	0	0				
(3) VACANT													
,		0	0	0	o								
(4) INACTIVE													
		0	0	0	0								
b. PRIVATE HOUSING													
		379	1,268	174	1,821	356	1,435	246	2,037				
(1) ACCEPTABLY H	OUSED												
		371	1,242	171	1,764								
(2) ACCEPTABLE V	ACANT RENTAL												
		8	26	3	37								
13. EFFECTIVE HOUSING DEF	ICIT							_					
		(3)	89	29	115	(7)	53	27	73				
14. PROPOSED PROJECT													
15. REMARKS						1			1				

DO FORM 1523, NOV 90

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 3. INSTALLATION AND LOCATION 4. PROJECT TITLE SHAW AIR FORCE BASE, SOUTH CAROLINA HOUSING MAINTENANCE FACILITY 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) | VLSB950004 715 219-944 8.87.41 9. COST ESTIMATES UNIT COST (\$000) COST U/M QUANTITY ITEM 507 HOUSING MAINTENANCE FACILITY SF 6.400 74 (474)MAINTENANCE SHOP AND BENCHSTOCK 600 55 (33) SF COVERED STORAGE 139 SUPPORTING FACILITIES (61) LS UTILITIES (17) SY 450 37 PARKING AND WALKS (49) LS SITE IMPROVEMENTS & LANDSCAPING (8) LS DEMOLITION 4) LS FENCING 646 SUBTOTAL 32 CONTINGENCY (5%) 678 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 37 715 TOTAL REQUEST

AREA COST FACTOR 10. Description of Proposed Construction: Construct concrete foundation, metal frame structure with split block exterior and standing seam metal roof, to include all necessary finishes and utilities. Includes provisions for latrines, maintenance shop space, self-help store, controllers area, administrative offices and covered storage. Demolishes four facilities. Provides for landscaping and parking.

0.79

Air Conditioning: 10 Tons. REQUIREMENT: 30,000 SF ADEQUATE: 22,194 SF SUBSTANDARD: PROJECT: Family Housing Maintenance Facility. (Current Mission) REQUIREMENT: An adequate facility is required for conducting all housing maintenance activity for 1704 family housing units at Shaw AFB. The facility must be properly located for convenient access by housing occupants, maintenance personnel, and supply deliveries. The facility must provide space for the storage of benchstock materials, shop space for maintence work, self-help areas for displays and customer service, maintenance work controllers, maintenance supervisor offices, latrines, and a covered nursery and storage area.

CURRENT SITUATION: The existing housing maintenance complex does not provide the required space to adequately serve housing customers. The storage area for appliances is located four miles away from the maintenance function, necessitating extra handling of appliances and resulting in wasted manhours and decreased response time to housing maintenance requirements. Existing housing maintenance facilities are |poor in appearance, creating an initial substandard image of the overall housing development area. Appliance and carpenter repair functions are accomplished in two small covered sheds, hindering proper maintenance practices, especially during inclement weather. The lack of work space

	1. COMPONENT		2. D	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
	AIR FORCE (computer generated)			
	3. INSTALLATION AND LOCATION			
	SHAW AIR FORCE BASE, SOUTH CAROLINA			
	4. PROJECT TITLE	5.	PROJECT	NUMBER
į	HOUSTNG MAINTENANCE FACTLITY	1	TIT.SB9500	004

and appliance testing facilities necessitates taking repaired appliances to vacant housing units for proper testing. Material storage is located in a low ceiling metal structure which precludes proper and efficient storage of housing supplies. Inadequate covered storage forces open storage of valuable supplies and equipment. Existing administrative and controller offices are in a converted farmhouse, separated from the maintenance and storage facilities, creating decentralized control of housing maintenance functions. The small building does not have the layout or space to provide necessary customer support. Also, customer parking and maintenance vehicle service entrances are collocated, creating congestion and unsafe conditions for private vehicles, maintenance trucks, and housing occupants that converge into one small area. Due to antiquated heating, air conditioning, plumbing and electrical systems, as well as structural deterioration, four facilities will be demolished upon completion of the new facility.

IMPACT IF NOT PROVIDED: Response to customer requirements for housing maintenance will continue to be delayed due to poorly designed and widely dispersed maintenance facilities. Movement of appliances for repair purposes or placement in back-up stocks will require extra time and handling, and will increase chances for handling damage. The housing maintenance complex will continue to detract from the overall appearance of the housing area. Major repair and improvement of existing facilities is not an option due to their deteriorated condition. Costly efforts will continue to be committed to keep the existing facilities habitable.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" and the "Air Force Housing Support Facilities Guide."

1. COMPONENT			2. DATE
1	FY 1996 MILITARY CON	STRUCTION PROJECT DATA	
AIR FORCE	(computer	generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
İ		CONSTRUCT HOUSING MA	INTENANCE
DYESS AIR FORCE	BASE, TEXAS	FACILITY	
5. PROGRAM ELEM	ENT 6 . CATEGORY CODE 7	. PROJECT NUMBER 8. PROJE	CT COST(\$000)

8.87.41	219-944	FNWZ91	0048			580		
	9. COST ESTIMATES							
			Ī .		UNIT	COST		
ITEM			U/M	QUANTITY	COST	(\$000)		
CONSTRUCT HOUSING MAINTENANCE FACILITY			LS			290		
MAINTENANCE SHOP	SELF HELP STORE		SF	3,900	66	(257)		
COVERED STORAGE			SF	600	55	(33)		
SUPPORTING FACILITY	SUPPORTING FACILITIES					234		
UTILITIES			LS			(61)		
PARKING AND WALK	WAYS		SY	3,000	37	(111)		
SITE IMPROVEMENTS	S AND LANDSCAPING		LS			(49)		
FENCING			LS			(4)		
DEMOLITION			LS			(<u>9</u>)		
SUBTOTAL				1		524		
CONTINGENCY (5%)					İ	_26		
TOTAL CONTRACT COST	T					550		
SUPERVISION, INSPE	CTION AND OVERHEAD	D (5.5%)				<u>30</u>		
TOTAL REQUEST				1 1		580		
İ								
İ					1			
İ								
AREA COST FACTOR		0.92	<u></u>					

| 10. Description of Proposed Construction: Construct concrete foundation, | metal frame structure with split block exterior and standing seam metal | roof, to include all necessary finishes and utilities. Includes | provisions for latrines, maintenance shop space, self-help store, | controllers area, administrative offices and covered storage. Demolishes | two facilities. Provides for landscaping and parking. | Air Conditioning: 8 Tons.

| REQUIREMENT: 4,500 SF ADEQUATE: 0 SUBSTANDARD: 1,280 SF | PROJECT: Construct Housing Maintenance Facility. (Current Mission) | REQUIREMENT: An adequate facility is required for conducting all | maintenance activity for 990 family housing units at Dyess AFB. The | facility must be properly located for convenient access by housing | occupants, maintenance personnel, and supply deliveries. The facility | must provide space for the storage of benchstock materials, shop space for | maintenance work, self-help area for displays and customer service, space | for maintenance controllers, maintenance supervisor offices, latrines, and | a covered nursery and storage area. Also required is secure exterior bulk | and flammable storage. The convenience of collocating housing maintenance | and self-help supplies will encourage housing occupants to be more active | in caring for their houses.

| CURRENT SITUATION: The Housing Maintenance Facility serves 5,335 military members. Housing maintenance is presently performed by contract in office | space located in two 30-year old, temporary wood structures which have | exceeded their life expectancy. They are energy and functionally | inefficient. As a result, maintenance costs are rapidly increasing. One | of the 640 SF buildings is used as office space, and the other is used for | storage. These unsightly structures are located in the middle of the

[1. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
AIR FORCE (computer generated)		
3. INSTALLATION AND LOCATION		
DYESS AIR FORCE BASE, TEXAS		
4. PROJECT TITLE	5. PRO	JECT NUMBER
 	FNW	72910048

housing area and will be demolished as a part of this project. Currently, the self-help store is three miles away from the housing area.

| IMPACT IF NOT PROVIDED: A dedicated cost effective facility is required to meet the needs of Air Force Members and their families, as well as to lensure the efficient operations of the Housing Maintenance Facility.

| Without this new facility, we seriously jeopardize Housing Maintenance operations.

ADDITIONAL: This project meets the criteria and scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide."

AIR EDUCATION AIR FORCE BASE, TEXAS AND TRAINING COMMAND	AREA CONST COST INDEX 0.87
3. INSTALLATION AND LOCATION	COST INDEX 0.87
AIR EDUCATION AIR COMMAND AIR ENCE BASE, TEXAS AND TRAINING COMMAND AND TRAINING	COST INDEX 0.87
ARCKLAND AIR FORCE BASE, TEXAS 5. PERSONNEL 6. PERSONNEL 7. STRENGTH 6. As of 30 SEP 94 1791 4615 2728 21 5222 28 604 60 6073 28 604 60 60 6073 28 604 60 60 60 60 60 60 6	0.87 IV TOTAL 48 15,057 48 15,932 0,220 1,243 1,200 800 0 0 0 1,463
PERSONNEL PERMANENT STUDENTS SUPPORTED	
STRENGTH OFF ENL CIV OFF ENL CIV OFF ENL C a. As of 30 SEP 94 1791 4615 2728 21 5222 28 604 b. End FY 2000 1791 4750 2578 60 6073 28 604 7. INVENTORY DATA (\$000) a. Total Acreage: (6,726) b. Inventory Total As Of: (30 SEP 94) 469 c. Authorization Not Yet In Inventory: 42 d. Authorization Requested In This Program: (FY 1997) f. Planned In Next Four Program Years: 518 g. Remaining Deficiency: 518 B. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	48 15,057 48 15,932 ,220 ,243 ,200 800 0 0 ,463
a. As of 30 SEP 94 1791 4615 2728 21 5222 28 604 b. End FY 2000 1791 4750 2578 60 6073 28 604 7. INVENTORY DATA (\$000) a. Total Acreage: (6,726) b. Inventory Total As Of: (30 SEP 94) 469 c. Authorization Not Yet In Inventory: 42 d. Authorization Requested In This Program: 60 e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 518 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	48 15,057 48 15,932 ,220 ,243 ,200 800 0 0 ,463
1791 4750 2578 60 6073 28 604 7. INVENTORY DATA (\$000)	48 15,932 2,220 2,243 2,200 800 0 0 0 463
7. INVENTORY DATA (\$000) a. Total Acreage: (6,726) b. Inventory Total As Of: (30 SEP 94) 469 c. Authorization Not Yet In Inventory: 42 d. Authorization Requested In This Program: 69 e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 518 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	0,220 ,243 ,200 800 0 0
a. Total Acreage: (6,726) b. Inventory Total As Of: (30 SEP 94) 469 c. Authorization Not Yet In Inventory: 42 d. Authorization Requested In This Program: 69 e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 518 g. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA TOTAL: 6,200 Pa. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	,243 ,200 800 0 0 ,463
c. Inventory Total As Of: (30 SEP 94) c. Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING MAINTENANCE FACILITY	,243 ,200 800 0 0 ,463
Authorization Not Yet In Inventory: d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) TOTAL: 6,200 PROJECT TITLE FOR TOTAL: FOR TO	,243 ,200 800 0 0 ,463
d. Authorization Requested In This Program: e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) TOTAL: 6,200 PROJECT TITLE FOURTHASE 2) TOTAL: 6,200 PROJECT: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING MAINTENANCE FACILITY	0 0 0 0 4,463
e. Authorization Included In Following Program: (FY 1997) f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING MAINTENANCE FACILITY	800 0 0 ,463
f. Planned In Next Four Program Years: g. Remaining Deficiency: h. Grand Total: 518 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	0 0 3,463
g. Remaining Deficiency: h. Grand Total: 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY HOUSING (PHASE 2) TOTAL: 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING MAINTENANCE FACILITY	0,463
h. Grand Total: 518 8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	,463
8. PROJECTS REQUESTED IN THIS PROGRAM: FY 1996 CATEGORY COST DESI CODE PROJECT TITLE SCOPE (\$000) TURN HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	
CATEGORY CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING MAINTENANCE FACILITY	GN STATUS
CODE PROJECT TITLE SCOPE (\$000) STA 711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	GN STATUS
711-142 REPLACE MILITARY FAMILY 67 EA 6,200 TURN HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	······································
HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	RT CMPL
HOUSING (PHASE 2) TOTAL: 6,200 9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	KEY
9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	
9a. Future Projects: Included in the Following Program (FY 1997) 219-944 REPLACE FAMILY HOUSING 3,258 SF 350 MAINTENANCE FACILITY	
MAINTENANCE FACILITY	
610-119 REPLACE FAMILY HOUSING 3,251 SF 450	
MGT OFFICE	
TOTAL: 800	
9b. Future Projects: Typical Planned Next Four Years:	
10. Mission or Major Functions: Training wing responsible for Ba	SIC
Military Training School, and security police, transportation,	
cryptographic maintenance, recruiting, and social actions courses;	
Language Institute English Language Center; Inter-American Air For	ces
Academy; and a major Air Force medical center.	

1. COMPONENT			2. DATE
F	Y 1996 MILITARY C	ONSTRUCTION PROJECT D	ATA
AIR FORCE	(compute	er generated)	
3. INSTALLATION AN	D LOCATION	4. PROJECT TI	TLE
1		REPLACE MILIT	ARY FAMILY
LACKLAND AIR FORCE	BASE, TEXAS	HOUSING (PHAS	E 2)
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER 8	. PROJECT COST(\$000)
		1	İ
1 0 07 41	711_149	I MDT COEADOR	6 200 i

9. COST ESTIM	ATES			•
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
	UN	67	66,618	4,463
	LS			1
SUPPORTING FACILITIES			1	1,134
SUPPORTING FACILITIES				1,213
SITE PREPARATION	LS			(80)
ROADS AND PAVING	LS			(257)
UTILITIES	LS			(375)
LANDSCAPING	LS	ļ.		(103)
RECREATION	LS			(58)
DEMOLITION AND LEAD ABATEMENT	LS			(262)
SUBTOTAL				11,645
CONTINGENCY (5%)				582
TOTAL CONTRACT COST		1		12,227
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		1	672
TOTAL REQUEST				6,200
1		j	į	İ
		ĺ	İ	İ
AREA COST FACTOR .87		Ĺ		

| 10. Description of Proposed Construction: Replace 67 housing units. | Includes demolition, site clearing, replacement/upgrade of utility systems | and roads, and construction of new single and duplex units. Provides | normal amenities to include parking, HVAC, exterior patios and privacy | fencing, neighborhood playgrounds, and recreation areas. Includes | demolition with asbestos and lead-based paint abatement.

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	.86	60	29	1,795,680
JNCO 4BR	1350	.86	60	34	2,368,440
SNCO 4BR	1450	86	60	44	299,280
				67	4,463,400

| 11. REQUIREMENT: 3,752 EA ADEQUATE: 2,574 EA SUBSTANDARD: 598 EA | PROJECT: Replace 67 substandard military family housing units with all accompanying ancillary appurtenances, "Whole Community" facilities, and all required engineering support facilities. (Current Mission). | REQUIREMENT: This project is required to provide modern and efficient | replacement housing for military members and their dependents stationed at | Lackland AFB. All units will meet "whole house" standards and are | programmed in accordance with phase II of the Housing Community Plan. | Replacement housing will provide a safe, comfortable, and appealing living | environment comparable to the off-base civilian community. This is the | second of multiple phases to provide adequate housing for base personnel. | Of the 585 housing units to be replaced, 111 are programmed in a prior | programs, and 401 will follow in subsequent phases. The replacement

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
LACKLAND AIR FORCE BASE, TEXAS	
4. PROJECT TITLE	5. PROJECT NUMBER
	1
REPLACE MILITARY FAMILY HOUSING (PHASE 2)	MPLS964005

housing will provide a modern kitchen, living room, family room, bedroom and bath configuration, with ample interior and exterior storage and a single car garage. Exterior parking will be provided for a second occupant vehicle and guests. Neighborhood support infrastructure will be upgraded to meet modern housing needs.

CURRENT SITUATION: These two story units were built in 1951 and last renovated in the kitchen, bathroom, and patio areas between 1976 and 1978. These upgrades are now substandard and time-worn. Only routine change of occupancy maintenance and some HVAC repairs have since been accomplished. Roofs, exterior walls, exterior doors, and windows require major repair or replacement due to the effects of age and the environment. Plumbing and electrical systems are antiquated and do not meet current standards for efficiency or safety. Housing interiors are generally inadequate by any modern criteria. Bedrooms are small and lack adequate closet space. Bathrooms are small, and fixtures are outdated and energy inefficient. Kitchens have inadequate storage and counterspace, cabinets are old and unsightly and countertops and sinks are badly worn.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to be housed in unsatisfactory conditions that affect morale, performance, and the retention of quality personnel. The current Housing Market Analysis shows an on-base housing deficit of 580 units. Without this and subsequent phases of this initiative, costly piecemeal repairs will continue out of necessity, with no improvement in the living quality. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, new construction was found to be the most cost efficient over the life of the project. This replacement housing project will not increase the student population or impact the ability of the local school district to support base dependents.

MILITARY FAMILY HOUSIN		DATE OF REPORT (YYMMDD)			2. FISCAI 1996	. YEAR	REPORT C	ONTROL SY R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INSTA	ALLATION							
AIR FORCE	a. NAME				b. LOCAT				
5. DATA AS OF 1993		ID AIR FORCE BASE				SAN ANTON			
ANALY			CURRENT		T =====		PROJEC		
0	•	OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. IUIAL PERSUNNEL SII	neng i n	2,381	4,816	3,580	10,777	2,512	5,078	5,158	12,748
7. PERMANENT PARTY PE	RSONNEL	1,835	4,048	3,284	9,167	1,966	4,310	4,862	11,138
8. GROSS FAMILY HOUSE	NG REQUIREMENTS	925	1,723	334	2,982	1,155	2,103	494	3,752
9. TOTAL UNACCEPTABLY	Y HOUSED (a + b + c)					1,155	2,103	434	3,752
	<u> </u>	0	0	0	0				
a. INVOLUNTARILY	SEPARATED	0	0	0	o				
b. IN MILITARY HOU DISPOSED/REPLA		0	0	0	0				
	HOUSED IN COMMUNITY		0	0	0				
10. VOLUNTARY SEPARAT	IONS	0	0	0	0				
		0	0	0	0	0	0	0	0
11. EFFECTIVE HOUSING R	EQUIREMENTS	925	1,723	334	2,982	1,155	2,103	494	3,752
12. HOUSING ASSETS (a	+ b)	925	1,723	334	2,982	999	1,814	359	3,172
a. UNDER MILITARY	CONTROL	103	621	0	724	103	621	0	724
(1) HOUSED IN E OWNED/COM		103	621	0	724	103	621	0	724
	RACT/APPROVED	,,,,	02.			0	02.	0	0
(3) VACANT						0	U	0	. 0
		0	0	0	0				
(4) INACTIVE		0	o	0	o				
b. PRIVATE HOUSING	G	822	1,102	334	2,258	896	1,193	359	2,448
(1) ACCEPTABLY	HOUSED					030	1,133	333	2,770
(2) ACCEPTABLE	VACANT RENTAL	822	1,102	334	2,258				
		0	0	0	0				
13. EFFECTIVE HOUSING D	EFICIT	0	0	0	0	156	289	135	580
14. PROPOSED PROJECT							67	0	67
15. REMARKS						0	6/	U	/ة

DD FORM 1523, NOV 90

1. COMPONENT							2	2. 1	DATE
Ï, i	FY	1996 MILIT	ARY CONS	TRUCTIO	N PRO	OJECT DATA	4		İ
AIR FORCE		(c	omputer	generat	ed)				
3. INSTALLATI	ON AND	LOCATION		4.	PRO	JECT TITLE	3		ł
Ì				RE	PLAC	E FAMILY F	OUSING	3	ļ
SHEPPARD AIR	FORCE	BASE, TEXAS		MG	T OF	FICE			
5. PROGRAM EI	EMENT	6. CATEGORY	CODE 7.	PROJEC	T NUI	MBER 8. I	ROJECI	C	OST(\$000)
j	ĺ								İ
8.87.41	i	610-119		VNVP96	4004				500
		9	. COST E	STIMATE	s				
							UNIT		COST
İ		ITEM			U/M	QUANTITY	COST		(\$000)
REPLACE FAMII	Y HOUS	ING MGT OFF	ICE		SF	3,200	9	1	291
SUPPORTING FA	ACILITI	ES							160
UTILITIES					LS				(70)
SITE IMPROV	/EMENTS				LS	1		- 1	(20)

LS

LS

| 10. Description of Proposed Construction: Construct management office including foundation, frame construction, HVAC system, parking lot, sidewalks, lighting, landscaping, entrance foyer, conference room, private offices for the Housing Manager, Assistant, and Facilities Chief, children's playroom, and break room. This project includes demolition of existing building.

0.90

Air Conditioning: 8 Tons.

PAVEMENTS

TOTAL REQUEST

SUBTOTAL

DEMOLITION

CONTINGENCY (5%)

AREA COST FACTOR

TOTAL CONTRACT COST

SUPERVISION, INSPECTION AND OVERHEAD (5.5%)

11. REQUIREMENT: 3,200 SF ADEQUATE: 0 SUBSTANDARD: 3,198 SF PROJECT: Construct a Military Family Housing Management Office. (Current Mission).

REQUIREMENT: Provide administrative and counseling space for the management of 1287 housing units. Must be conveniently located for accessability by housing occupants and newly arriving personnel. Facility must include space for private counseling, offices, lounge/waiting area, conference room, and play area for children of parents awaiting service by housing personnel. Facility must have adequate parking and include provisions for access by the handicapped.

| CURRENT SITUATION: The Military Family Housing management office is located in a converted barracks building constructed in 1941. The structure requires excessive maintenance, is energy inefficient, projects an unfavorable appearance to military members and their families, is poorly configured for its current use, and is inconveniently sited. IMPACT IF NOT PROVIDED: The MFH Management Office will continue to require excessive maintenance and use excessive energy. Newly arriving |military members and their families will continue to receive a poor first impression of Sheppard AFB. Service to the military personnel who process through and utilize the Management Office will continue to be hampered by

(50) i

(20)

451

23

474

26 500

1. COMPONENT		2. DATE
AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated)	,
	COMPUTER GENERALED	<u>_</u>
CHEDDADD ATD	FORCE BASE, TEXAS	
4. PROJECT TI		. PROJECT NUMBER
DEDIAGE EARTH	V HOUGING MOT OFFICE	VNVP964004
REPLACE FAMIL	Y HOUSING MGT OFFICE	VNVP364004
an inadequate		d :- P TT
Military Hand	This project meets the criteria/scope specified book 1190, "Facility Planning and Design Guide	".
	-	İ
1		j
		į
		İ
		1
		ļ
į		
]]
į		
<u> </u>		
		1
- -		
į		1
		1
<u> </u>		
i 		
1		
 		
1		
, 		

1. COMPONENT	****		2.	DATE
FY 1996 MILITARY CONSTRUCTIO	N PRO	JECT DATA	.	
AIR FORCE (computer generat	ed)			
3. INSTALLATION AND LOCATION 4.	PRO	JECT TITLE	;	
RE	PLACI	E FAMILY H	OUSING	
SHEFFARD AIR TORCE DADE, TELLE		NANCE FACI		
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJEC	T NUI	MBER 8. P	ROJECT	COST (\$000)
8.87.41 219-944 VNVP96		l		600
9. COST ESTIMATE	<u>s</u>	i i		
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
REPLACE FAMILY HOUSING MAINTENANCE	1	- 000	60	340
FACILTY	SF	5,800	60	348
SUPPORTING FACILITIES		! !		194
UTILITIES	LS			(89)
SITE IMPROVEMENT	LS	[[(35)
PAVEMENTS	LS	 		(50) (20)
DEMOLITION	LS	 1		\ \(\begin{array}{c} 20\\ 542\end{array}
SUBTOTAL				1 27
CONTINGENCY (5%)	i	! 1		1 <u>27</u> 1 569
TOTAL CONTRACT COST		[31
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)	1			600

| 10. Description of Proposed Construction: All site preparation, drainage | improvements, concrete footings and foundation, steel framing, masonry | walls, and standing seam metal roof. Project provides administrative | office space, work shops, parts/supply storage, customer waiting area, | conference/break room, miscellaneous supply storage, restrooms, and | mechanical room. Includes all parking, utilities, and landscaping. | Air Conditioning: 15 Tons.

0.90

11. REQUIREMENT: 5,800 SF ADEQUATE: 0 SUBSTANDARD: 3,200 SF PROJECT: Construct a Military Family Housing Maintenance Facility. (Current Mission)

REQUIREMENT: An adequate facility is required for the MFH maintenance contractor to stage and conduct maintenance on all family housing units on Sheppard AFB. The facility must be located near the majority of family housing units yet visually screened to lessen the impact of an industrial facility placed adjacent to residential neighborhoods. The facility must provide handicap access, adequate parking for both employees and customers, and vehicular access for delivery trucks.

CURRENT SITUATION: The MFH maintenance shop is located in a 3,200 SF wood frame facility that was built in 1952. The current facility is inadequately sized, poorly configured, energy inefficient, has inadequate parking for employees, and requires excessive maintenance due to the general deteriorated condition of the building.

| IMPACT IF NOT PROVIDED: The MFH maintenance contractor will be forced to continue operating from a facility that is inefficient and inconvenient to the customers of the housing maintenance operation. Cost associated with required maintenance of the existing facilities will become an increasing burden on available resources.

AREA COST FACTOR

1. COMPONENT	1		2. D	ATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA		
AIR FORCE	(computer generated)			
3. INSTALLATI	ION AND LOCATION			
SHEPPARD AIR	FORCE BASE, TEXAS			
4. PROJECT TI	(TLE	5.	PROJECT	NUMBER
REPLACE FAMIL	LY HOUSING MAINTENANCE FACILTY		VNVP9640	205
CHILIPCH TRAIL	II NOOTING PAINTENANCE PACIETY		VIIVI 3041	
	This project meets the criteria/scope specif			II of
Military Hand	dbook 1190, "Facility Planning and Design Gui	de".	•	

1. COMPONENT									2	. DAI	ĽΕ
	FY	1996 M	/ILIT	ARY CON	NSTRUC	TION :	PROGR	MA	1		
AIR FORCE			(comp	outer o	genera	ited)					
3. INSTALLATIO	ON AND LO	CATION	1		4. CC	CINAMM			5	. ARE	A CONST
					AIR M	MOBILI'	ΓY			COS	T INDEX
MCCHORD AIR FO	ORCE BASE	E, WASH	HINGTO	ON	COMMA	MD				1.	08
6. PERSONNEL	_	PE	ERMANE	INT	SI	UDENT	<u> </u>	SUP	PORTE		•
STRENGTH		OFF		CIV	 	ENL	CIV	OFF		CIV	
a. As of 30 SI		, ,		1250				25		103	
b. End FY 2000	0		***	1177				25	28	103	5,52
	······································			ENTORY	DATA	(\$000)				
a. Total Acrea		5,74		\					_		
b. Inventory										01,53	
c. Authorizat:										11,79	
d. Authorizat:	_						/TTT -	0051		9,50	
e. Authorizat:				_	Progr	ram:	(FX 1	.997)		7,35	
f. Planned In		_	gram :	ears:							0
g. Remaining I h. Grand Total		зу:							2	70 00	•
8. PROJECTS RI		דאו יישו	TC DD	YCD AM ·	EV 1	996				78,09	73
CATEGORY	FOOFSIED	IN IN	LS PRO	JGRAM.	r. I	1990		COST	י חב	CTCM	STATUS
CODE	חם מת	ECT TIT	ייז בי			SCOPE		(\$000		TART	CMPL
РНА	SE 1			400			UN	9,50		JRN KE	EY
711-142 REPLA PHAS 9a. Future P:	SE 1			in the							
PHAS 9a. Future Pr 711-142 REPLA	SE 1	Incl	uded :	in the		owing			Y 199		
PHAS 9a. Future P: 711-142 REPLI PHAS	rojects: ACE FAMII SE 2	Inclu	uded :		Follo	owing 50	Progi	ram (F	Y 199	97)	
PHAS 9a. Future P: 711-142 REPLA PHAS	rojects: ACE FAMII SE 2 rojects:	Inclu LY HOUS	uded : SING,	lanned	Folic	50 Four	Progr UN Years	ram (F 7,35	Y 199	97) JRN KI	ΞΥ
PHAS 9a. Future P: 711-142 REPLA PHAS 9b. Future P: 10. Mission (rojects: ACE FAMII SE 2 rojects: or Major	Inclu LY HOUS Typic	uded : SING, cal P. ions:	lanned An A	Follo Next ir Cor	50 Four	UN Year:	7,35	Y 199	97) JRN KI	EY with
PHASE 9a. Future P: 711-142 REPLA PHASE 9b. Future P: 10. Mission of three C-141 se	rojects: ACE FAMII SE 2 rojects: or Major quadrons	Inclu LY HOUS Typic Funct: ; an A:	sing,	lanned An A rce Re	Follo Next ir Con serve	50 Four mbat C	Progr UN Years omman	7,35	Y 199	P7) Wing lift	with wing;
PHAS 9a. Future P: 711-142 REPLA PHAS 9b. Future P: 10. Mission of three C-141 so Northwest Air	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense	Inclu LY HOUS Typic Funct: ; an A: Sector	sing, cal P. ions: ir Fo:	lanned An A rce Re ich wi	Next ir Cor serve	Four mbat C C-141	UN Years omman	7,35	TY 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Year: ommar asso	7,35 3: ad air ociate into t	TY 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Year: ommar asso	7,35 3: ad air ociate into t	TY 199	Wing	with wing;
PHAS 9a. Future P: 711-142 REPLA PHAS 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Secto	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Year: ommar asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHAS 9a. Future P: 711-142 REPLI PHAS 9b. Future P:	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLIANCE PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;
PHASE 9a. Future P: 711-142 REPLA PHASE 9b. Future P: 10. Mission of three C-141 so Northwest Air Defense Sector	rojects: ACE FAMII SE 2 rojects: or Major quadrons Defense r 95/2 au	Typic Funct: ; an A: Sectored be a	sing, cal P. ions: ir Fo: r, wh. assign	lanned An A rce Re ich wi ned to	Next ir Cor serve 11 cor	Four mbat C C-141 nsolid	UN Yearsomman asso	7,35 3: ad air ociate into t	Y 199	Wing	with wing;

1. COMPONENT			2. DATE
1	FY 1996 MILITARY CONSTI	RUCTION PROJECT DATA	
AIR FORCE	(computer ge	enerated)	<u> </u>
3. INSTALLATIO	ON AND LOCATION	4. PROJECT TITLE	
		REPLACE FAMILY HOUSI	NG,
MCCHORD AIR FO	DRCE BASE, WASHINGTON	PHASE 1	
	EMENT 6 . CATEGORY CODE 7 . 1	PROJECT NUMBER 8. PROJE	CT COST(\$000)

PQWY964001 9.504 8.87.41 711-142 COST ESTIMATES UNIT COST U/M QUANTITY COST (\$000) ITEM REPLACE FAMILY HOUSING UN 50 78,149 3,907 4,672 SUPPORTING FACILITIES LS (1,722)SITE PREPARATION (250) LS ROADS AND PAVING 665) LS UTILITIES LS 100) LANDSCAPING/RECREATION 265) LS GARAGES 695) LS DEMOLITION/ASBESTOS/LBP REMOVAL LS 975) LAND ACQUISITION 8,579 SUBTOTAL 429 CONTINGENCY (5%) 9,008 TOTAL CONTRACT COST 495 SUPERVISION, INSPECTION AND OVERHEAD (5.5%) 9,504 TOTAL REQUEST

| 10. Description of Proposed Construction: Replace 50 substandard housing units. Includes land acquisition, site preparation, utilities, roads, landscaping, neighborhood recreation areas. Amenities include heating, air-conditioning, carpeting, garages, appliances, patios, and privacy fencing. Includes demolition of existing units, asbestos and lead-based paint removal.

1.08

	NET	PROJECT	\$/	NO.	
UNIT TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO 3BR	1200	1.08	60	48	3,732,480
JNCO 4BR	1350	1.08	60	2_	174,960
				50	3,907,440

| 11. PROJECT: Replace substandard family housing units. (Current Mission) | REQUIREMENT: Project will provide modern and efficient housing for | military members and their families assigned at McChord AFB. All units | will meet "whole house/neighborhood" standards and provide a safe, | comfortable, and appealing living environment comparable to the off-base | civilian community. Land acquisition of 20 acres is required. There is | no land or housing available for use on Fort Lewis Army Post. | CURRENT SITUATION: This project replaces houses constructed in 1941. | These houses were identified as uneconomical to upgrade in 1972 and the | FY73 Military Construction Authorization, Public Law 92-545, authorized | the Secretary of Defense to declare these units substandard. These | 55-year old houses are located in the high noise (65-70 LDN AICUZ) and | industrial area of the base, are undersized, meet none of the "whole | house/neighborhood" standards, and show effect of continuous heavy use.

AREA COST FACTOR

٠	1. COMPONENT						2. D	ATE
		FY 1996	MILITARY	CONSTRUCTION	PROJECT	DATA		
	AIR FORCE		(comp	uter generated	d)			
	3. INSTALLATIO	N AND LOCAT	rion					
	İ							
	MCCHORD AIR FO	RCE BASE, V	WASHINGTO	N				
	4. PROJECT TIT	'LE				5.	PROJECT	NUMBER
	REPLACE FAMILY	HOUSING,	PHASE 1			İ	PQWY9640	001

They have had no major upgrades since construction and do not meet the needs of today's families. There is no interior storage, the laundry is located in an exterior area common to two units used to house the heating

system. There are no entry foyers, the only entry opens directly into the living room. Bedrooms are undersized with negligible closet space.

Electrical, water and sewer systems are the original. Off street parking is limited to one paved space per unit or none due to terrain constraints.

IMPACT IF NOT PROVIDED: Military members and their families will be forced to continue living in substandard, uninhabitable units because affordable off-base housing is not available. The current Housing Market Analysis, dated Apr 94, shows a deficit of 208.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". AF/CE Ltr, undated, states, "Under no circumstances will the units be considered for improvement or upgrading", therefore, an economic analysis has not been accomplished. Since this is replacement housing, there will be no increase in the student population or impact on the ability of the local

school district to support base dependents.

Page No

(YYMM		1. DATE OF REPORT (YYMMDD)			2. FISCAL 1996	YEAR	REPORT CO	ONTROL SY R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE	a. NAME				b. LOCAT			_	
5. DATA AS OF 1993	McCHOI	RD AIR FORCE BASE	TACOMA, WASHINGTON						
ANALYS	SIS		CURRENT				PROJEC	TED	
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STR	ENGTH	677	3,021	775	4,473	536	3,050	782	4,368
7. PERMANENT PARTY PER	ISONNEL	677	3,021	775	4,473	536	3,050	782	4,368
8. GROSS FAMILY HOUSIN	G REQUIREMENTS	490	2,338	222	3,050	347	2,364	228	2.939
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)					347	2,304	228	2,535
		36	643	31	710				
a. INVOLUNTARILY S	EPARATED	2	3	1	6				
b. IN MILITARY HOUS DISPOSED/REPLAC		0	0	0	٥				
c. UNACCEPTABLE H	34	640	30	704					
10. VOLUNTARY SEPARATION	ONS	13	108	7	128	6	109	7	122
11. EFFECTIVE HOUSING RE	QUIREMENTS	490	2,338	222	3,050	341	2,255	221	2,817
12. HOUSING ASSETS (a +	b)		· · · · · · · · · · · · · · · · · · ·						
a. UNDER MILITARY	CONTROL	452	1,615	187	2,254	322	1,569	170	2,061
		117	776	88	981	117	776	88	981
(1) HOUSED IN EX OWNED/CON	TROLLED	117	776	88	981	117	776	88	981
(2) UNDER CONTE	RACT/APPROVED					0	0	О	0
(3) VACANT		o	o	0	0				
(4) INACTIVE		0	0	0	o				
b. PRIVATE HOUSING	• • • • • • • • • • • • • • • • • • •	335	839	99	1,273	205	793	82	1,080
(1) ACCEPTABLY	HOUSED	324	811	96	1,231				
(2) ACCEPTABLE	VACANT RENTAL	11	28	3	42				
13. EFFECTIVE HOUSING DE	FICIT	38	723	35	796	19	686	51	756
14. PROPOSED PROJECT		38	723	35	,30	13	50	31	50

15. REMARKS

DD FORM 1523, NOV 99

1. COMPONENT			2. DATE			
`[Y 1996 MILITARY CO	DATA				
AIR FORCE	(compute	r generated)				
3. INSTALLATION AND LOCATION 4. PROJECT TITLE						
		İ				
ANDERSEN AIR FORCE	BASE, GUAM	HOUSING MAN	AGEMENT FACILITY			
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER	8. PROJECT COST(\$000)			
İ	İ					
8.87.41	610-119	AJJY959801R4	1,700			

COOR ECTIMATES

9. COST ESTIMATI	55			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
HOUSING MANAGEMENT FACILITY	LS			945
HOUSING MGT FACILITY	SF	4,500	210	(945)
SUPPORTING FACILITIES	1			589
UTILITIES	LS			(190)
PAVEMENTS	LS		1	(90)
SITE IMPROVEMENTS	LS			(160)
FIRE SUPPRESSION	LS			(99)
PREWIRING FOR WORKSTATIONS	EA	10	5,000	(50)
SUBTOTAL				1,534
CONTINGENCY (5%)				77
TOTAL CONTRACT COST				1,611
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)			1	89
TOTAL REQUEST			1	1,700
				!
1				
		1 1		
AREA COST FACTOR 2.24	1			

| 10. Description of Proposed Construction: Reinforced concrete structure, | concrete slab foundation and roofing system. Facility includes offices, | restrooms, counseling and meeting rooms, customer reception area, | computer/storage areas, and interior and exterior play areas. Includes | utilities, fire suppression system, prewiring for workstations, parking, | and site improvements.

Air Conditioning: 7 Tons.

4,500 SF ADEQUATE: 0 SUBSTANDARD: REQUIREMENT: PROJECT: Family housing management facility. (Current Mission) REQUIREMENT: An adequate facility is required for managing base owned and operated family housing assets, for assisting all arriving personnel in finding on or off-base housing, and for managing family housing furnishings operations (one-stop shopping concept). Facility will contain all housing management functions including administration, operation, inspection, counseling and referrals. It must be located for convenient access by arriving personnel and other customers. It must be accessible by disabled/special needs personnel. Plays areas will provide a safe, secure, and attractive environment for children of customers. CURRENT SITUATION: The existing housing management office is located in a converted family housing duplex facility. The conversion took place in |1978 when there was a surplus of housing. Over the years the housing situation has changed. Today the facility could be better utilized as a family housing unit and the base has a critical need for a facility that is designed to better accommodate the housing functions. The existing |facility cannot be efficiently reconfigured to house the growth in staff. |Functionally, the facility has many shortcomings and does not have many of the features required by today's standards. The existing facility will be

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
ANDERSEN AIR FORCE BASE, GUAM	
4. PROJECT TITLE	5. PROJECT NUMBER
· ·	1
HOUSING MANAGEMENT FACILITY	AJJY959801R4

converted back to its original use after completion of the new housing management facility.

IMPACT IF NOT PROVIDED: The family housing management function will continue to operate in a facility designed for use as family living quarters which is undersized and inadequate as a housing management facility. The furnishings management function will remain decentralized resulting in an inefficient and fragmented operations. Personnel requiring services will be inconvenienced when visiting the housing office due to the lack of sufficient space and amenities.

ADDITIONAL: This project meets the criteria/scope specified in Part II of Military Handbook 1190. "Facility Planning and Design Guide".

L. COMPONENT		1006	T.M.	NDV 601	NOMPLIA.	TON .	חחסמם	7.M	2	. DAT	Έ
	FY	1996		ARY CO			PROGR	AM	- 1		
AIR FORCE B. INSTALLATION	AND TO	CARTO		outer		MMAND			15	ADE	A CONST
3. INSTALLATION	AND DO	CALLO	7.4			D STA	מ סשית	TD			T INDEX
	· 13 171 171	ייייייי			!	S IN			 		00
INCIRLIK AIR BAS 5. PERSONNEL	E, IUI		ERMANI	יייזאק		UDENT			PORTE		00
STRENGTH	_		ENL				CIV				TOTAL
a. As of 30 SEP	04	I	1968			ENL	CTA	321			
	94		1906	•	!!		!!!	321	1290	: :	
o. End FY 2000				ENTORY		/6000	<u> </u>	321	1230	11001	4,232
				INTORY	DATA	(\$000	<i>'</i>				
. Total Acreage		3,4		3D 04\					7.	98,55	Δ.
. Inventory To									1:	2,40	
. Authorization										-	
l. Authorization							/ TOSE - 1	0071	•	10,14	
e. Authorization					Progr	ram:	(FY 1	.997)			0
. Planned In No			gram :	rears:							0
. Remaining De:	ciciend	:							2.	11 10	0
. Grand Total:					****	006				11,10	15
B. PROJECTS REQ	JESTED	IN TH	IS PRO	JGRAM:	FY 1	1996			. 55		CM3 M70
CATEGORY						7.5000		COST			STATUS
CODE	PROJI	ECT TI	TLE		2	SCOPE		(\$000	5	TART	CMPL
			CTNC		•	150	TTAT	10 14	6 mm	RN KE	T.
711-142 REPLAC	S FAMIL	LY HOU	SING			TOTAL	_	10,14 10,14		KIN KE	·I
9a. Future Pro	ioata	Tnal	ndod .	in the	Follo	•				71 NC	NE
									1 133	/	ME
9b. Future Pro									W 255	imed	
LO. Mission or Force structure											
and control for											
facility, Incir											
	ct and	multi	.nac10	nai io	ices e	ingage	u III	PROVI	DE CO.	MFORI	AND
SOUTHERN WATCH.											

1. COMPONENT			2. DATE
1	FY 1996 MILITARY C	ONSTRUCTION PROJECT DATA	
AIR FORCE	(comput	er generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
İ			
INCIRLIK AB, TU	RKEY	REPLACE FAMILY HOUS	SING
5. PROGRAM ELEMI	ENT 6 . CATEGORY CODE	7. PROJECT NUMBER 8. PROJ	JECT COST(\$000)

8.87.41 711-142 LJYC964001 10,146

9. COST ESTIMATES									
			UNIT	COST					
ITEM	U/M	QUANTITY	COST	(\$000)					
REPLACE FAMILY HOUSING				7,796					
REPAIR BY REPLACEMENT 150 MFH UNITS	UN	150	51,011	(7,652)					
SOLAR	LS			(144)					
SUPPORTING FACILITIES				1,363					
SITE PREPARATION	LS			(212)					
ROADS AND PAVING	LS			(191)					
UTILITIES	LS		ĺ	(226)					
LANDSCAPING	LS			(135)					
RECREATION	LS			(156)					
DEMOLITION	LS			(443)					
SUBTOTAL				9,159					
CONTINGENCY (5%)				458					
TOTAL CONTRACT COST]		9,617					
SUPERVISION, INSPECTION AND OVERHEAD (5.5%)		ļ		529					
TOTAL REQUEST				10,146					
	!		ļ						
			ļ						
AREA COST FACTOR .96				<u></u>					

| 10. Description of Proposed Construction: Repair by replacement 150 MFH | units with 150 units. Provide all necessary amenities and supporting | facilities. Project includes site preparation, carports, HVAC, energy | conserving solar features, parking, support infrastructure of roads and | utilities, neighborhood playgrounds and recreational areas, and all | landscaping.

		NET	PROJECT	\$/	NO.	
UNIT '	TYPE	AREA	FACTOR	NSF	UNITS	TOTAL COST
JNCO	2BR	950	. 95	48	64	2,772,480
JNCO	3BR	1200	. 95	48	70	3,830,400
SNCO	3BR	1350	. 95	48	6	369,360
SNCO	4BR	1450	. 95	48	4	264,480
CGO	4BR	1450	. 95	48	2	132,240
FGO	3BR	1400	.95	48	2	127,680
SGO	4BR	1700	95	48	2_	155,040
					150	7,651,680

| 11. REQUIREMENT: 1,357 UN ADEQUATE: 800 UN SUBSTANDARD: 557 UN | PROJECT: Repair by replacement 150 MFH units by constructing 150 new | units at Incirlik AB, Turkey. (Current Mission) | REQUIREMENT: This project is required to provide modern and efficient | housing for military members and their dependents stationed at Incirlik | Air Base. All units will meet modern housing standards. The housing will | provide a safe, comfortable, and appealing living environment comparable | to the standards provided in a typical American civilian community. The | design will provide a modern kitchen, living room, family room, bedroom

1. COMPONENT		2. DATE	
FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	ļ	
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
INCIRLIK AB, TURKEY			
4. PROJECT TITLE	5.	PROJECT NUMB	ER
REPLACE FAMILY HOUSING	1	LJYC964001	

and bath configuration, with ample interior and exterior storage. Units will be provided with a car port and community parking for a second vehicle and visitor parking. The housing area will be provided with an adequate support infrastructure of roads and utilities. CURRENT SITUATION: Incirlik has a large deficit in Military Family Housing facilities. The on-base MFH consists of 950 units. 800 units were constructed in 1982 thru 1985 and are adequate facilities. The remaining 150 MFH units were constructed in 1961 which are in substandard condition and beyond economical upgrade/improvement. Despite extensive maintenance and repair efforts and expenses, settlement and shifting of foundations causes continuing structural damages. Cracks in the foundation are over an inch wide and run the length of the unit with differences of 1" to 4" in elevation across the crack. Electric, mechanical, and other utility systems are outdated and do not meet energy capacity and efficiency requirements. Three (3) bedroom units do not have the second bathrooms as required by US Air Force Standards Most off-base housing in the Middle-East like in the city of Adana lacks the normal ammenities that American Military personnel and their families require, namely central HVAC. Local housing is poorly constructed and the local water does not meet potable water standards. Incirlik's geographical location in the Middle East makes it a primary target for terrorist activity. AFOSI REGION 5/EAC wrote a classified assessment titled, "SUBJECT: Threat Assessment for off-base housing at Incirlik AB, TU (U), " 5 JULY 1994. Paragraph 2 provides an Unclassified summary as follows: UNCLASSIFIED: "2. (U) Terrorist threat: Both the Department of Defense and the Department of State assess the terrorist threat to Americans throughout Turkey as high. This assessment is based upon the existence of terroist organizations operating in Turkey with demonstrated histories, capabilities, and intentions of targeting,... " (See ADDITIONAL) IMPACT IF NOT PROVIDED: There are no alternatives to living in substandard or expensive housing if families desire to avoid lengthy and costly (both finacially and psychologically) "voluntary" separations. impact will be major morale and/or financial problems for the affected families. The lower quality housing off-base will worsen the quality of life for our military personnel and their familiy. Off-base housing will not provide the security against terrorism that on-base housing can. US Government will continue to spend MFH funds conducting piecemeal maintenance and repair on outdated facilities. ADDITIONAL: This project is not eligible for NATO funding. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide". An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement construction was found to be the most cost efficient over the life of the project. Continued from CURRENT SITUATION, UNCLASSIFIED: "... as well as attacking American personnel and resources in Turkey. This threat can be discussed under three areas: Indigenous, Separatist, and Transnational terroism."

(YY)		1. DATE OF REPOR	т		2. FISCAL 1996	. YEAR	REPORT CO	ONTROL SY R)1716	MBOL
3. DOD COMPONENT	4. REPORTING INST	ALLATION							
AIR FORCE					b. LOCAT				
5. DATA AS OF 1994	INCIRLIK	AIR BASE		TURKEY					
ANALY	SIS		CURRENT				PROJEC		
OF		OFFICER	E9-E4	E3 - E1	TOTAL	OFFICER	E9 -E4	E3 - E1	TOTAL
REQUIREMENTS A		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
6. TOTAL PERSONNEL STR	ENGTH	20	B 1,547	393	2,148	209	1,440	507	2,15
7. PERMANENT PARTY PER	RSONNEL	19	5 1,454	359	2,008	200	1.347	473	2,02
B. GROSS FAMILY HOUSIN	G REQUIREMENTS								
		16	2 1,204	277	1,643	156	1,083	243	1,48
9. TOTAL UNACCEPTABLY	HOUSED (a + b + c)	2	208	120	349				
a. INVOLUNTARILY S	SEPARATED		0	0	0				
b. IN MILITARY HOU			5 144	0	150				
c. UNACCEPTABLE F	IOUSED IN COMMUNITY	·	1						
0. VOLUNTARY SEPARATIONS		1!	64	120	199	,,	1		
		10	110	37	157	12	90	21	12
1. EFFECTIVE HOUSING RI	EQUIREMENTS	16:	1,204	277	1,643	144	993	222	1,35
2. HOUSING ASSETS (a +	- b)	13:	897	120	1,149	126	753	120	99
a. UNDER MILITARY	CONTROL	11'	833	0	950	111	689	0	80
(1) HOUSED IN EX		110	822	0	938	0	0	0	
(2) UNDER CONT			022	Ů	000	0	0	0	
(3) VACANT				0	0			0	
(4) INACTIVE			0						
b. PRIVATE HOUSING	,		11	0	12				
(1) ACCEPTABLY	HOUSED	1!	64	120	199	15	64	120	19
		11	64	120	199				
(2) ACCEPTABLE	VACANT RENTAL			0	0				
3. EFFECTIVE HOUSING DE	FICIT	3.	1	157	506	18	240	102	36
4. PROPOSED PROJECT		3	1 318	,37	500		2-70	1,02	

15. REMARK6

DD FORM 1523, NOV 90

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION

<u>Program (In Thousands)</u>
FY 1996 Program \$85,059
FY 1995 Program \$61,770

Purpose and Scope

The Air Force operates approximately 120,000 family housing units. The average age of housing units in the Air Force inventory is over 30 years. Over 60,000 of these units now require improvements or renovation to meet contemporary living standards during the next decade. Many of these units require major expenditures to repair or replace deteriorated mechanical, electrical, or structural components, and to provide some of the modern amenities found in comparable community housing. The Post Acquisition Construction Program provides this needed revitalization. Each project also includes a significant amount of concurrent maintenance and repair to maximize the project cost effectiveness (average per project is 60%).

The Air Force is the acknowledged DoD leader in developing the "whole house" revitalization concept. Whole house is the combination of needed maintenance and repair together with improvements to bring the unit to contemporary standards. In addition, we are looking beyond the house to the entire housing area in our requirements plan. Our "whole neighborhood" concept is being developed and includes the development of neighborhood vehicular and pedestrian circulation concepts to consider siting, density, landscaping, parking, playgrounds, recreation area and utilities, in addition to the housing unit itself.

Consistent with Authorization and Appropriation Committees' language in FY 90, the Air Force is seeking to maintain funding in this account to continue revitalizing our aging homes. Consistent with Appropriation Committees' language in FY 85, the Air Force has gathered data on the post acquisition construction projects to detail past projects on these units and any future work being programmed within a three year period. This information is provided as a part of this submittal.

Program Summary

Authorization is requested for:

- (1) Various improvements to existing public quarters, as described on DD Form 1391.
 - (2) Appropriation of \$85,059,000 to fund projects in FY96.

NOTE: Projects within the program are within the statutory limitation of \$50,000 per unit adjusted by area cost factor, except as identified by separate DD Form 1391.

Page No. 575

	1. COMPONENT								1	2.	DATE	Ī
٠	į į	F	? 1996 MILI	TARY CONS	TRUCT	rior	PRO	OJECT DAI	'A			
	AIR FORCE		(computer	gener	rate	ed)					
	3. INSTALLATIO	INA N	LOCATION			4.	PRO	JECT TITI	E			-
												- 1
_	VARIOUS AIR FO	RCE E	BASES			POS	A TE	QUISITIC	N CONS	TRI	JCTION	\perp
	5. PROGRAM ELE	MENT	6. CATEGOR	Y CODE 7.	PROJ	JEC:	וטא ז	MBER 8.	PROJEC	T (COST (\$000)	1
				[1				
_	8.87.42		711-00	0	XXXX	396	OPA:	(P		8	35,059	
_				9. COST E	STIM	ATES	3					_
									UNIT	'	COST	-
_			ITEM				U/M	QUANTITY	COST	,	(\$000)	<u> </u>
	POST ACQUISITI	ON CC	NSTRUCTION	ſ							85,059	
	PROJECTS TO	IMPRO	VE FAMILY	HOUSING			UN	944	90,1	05	(<u>85,059</u>)	ı
	SUBTOTAL]		85,059	1
	TOTAL CONTRACT	COSI	•								85,059	ļ
	TOTAL REQUEST								Į		85,059	
						į						1
į									1			1
									1			1
]	1		ļ
									!	ļ		
									!			
]		1
												ļ
												į
ļ						. !			!			ļ
						ļ			!			

- | 10. Description of Proposed Construction: Includes all work necessary to revitalize military family housing by providing: air conditioning, where authorized; modern functional layouts; soundproofing; and utility and site improvements. Energy conservation actions include new and additional insulation, storm windows, solar screens, and more efficient heating and cooling systems. (Continued on next pages.)
- |11. PROJECT: This request is for appropriation of \$85.059 million to accomplish improvements in family housing units.

REQUIREMENT: To revitalize and improve the livability of older, obsolete family housing units, to conserve energy in these older housing units, and to bring utility systems up to current safety standards. Whole-house improvements includes but are not limited to: kitchen upgrades, bathroom additions/upgrades; repair/replacement of roofs, upgrade of mechanical & electrical systems, replacement of windows, doors, floors and exterior improvements (patios, fences, etc.)

CURRENT SITUATION: The majority of these housing units were constructed since the late 1940's using various design and construction criteria, with different types of material, installed equipment, appliances, livability, and appearance. Many utility and structural systems were designed and constructed during years of plentiful, inexpensive energy resources. Insulation, storm windows, etc., not previously cost effective, are now wise investments. This program will prolong the useful life of many of our older, less modern units by enhancing livability, reducing operation costs and improving safety aspects.

| ADDITIONAL: These projects meet the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide" unless noted on the individual DD Form 1391s.

Page No

. COMPONENT		2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT	DATA	
IR FORCE (computer generated)		
. INSTALLATION AND LOCATION		
ARIOUS AIR FORCE BASES		
. PROJECT TITLE	5. PF	OJECT NUMBER
OST AQUISITION CONSTRUCTION		N/A
10. Description of work to be accomplished		
		t Working
Location and Project	<u>Estima</u>	te (\$000)
UNITED STATES		
ALASKA		
ELMENDORF AFB		
IMPROVE FAMILY HOUSING (PHASE 8)		10,194
FXSB974002R1		
- Convert 48 3-bedroom units to 2-bedroom, improve		
bath, kitchen, entry way and replace siding.		
Demolish 16 units. Improve 80 units including attached garage addition, kitchen, bath,		
interior renovation and replace siding.		
Neighborhood work includes utilities,		
landscaping, pavement and recreational areas.		
Environmental work includes asbestos and		
lead-based paint compliance.		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:		
None.		
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.		
COLORADO		
PETERSON AFB		
IMPROVE MILITARY FAMILY HOUSING PHASE 7		5,690
TDKA924001P1		
- Upgrade 76 housing units, supporting facilities,		
and community development improvements. Work		
will include alteration of interior spaces,		
improvement and repair of kitchens, bathrooms,		
and other rooms, windows, doors, finishes,		
lighting fixtures, new roofing,		
garages/carports, mechanical, electrical, and		
utilities systems, yards, walks, driveways,		
fencing, and asbestos and lead removal.		
(Separate DD Form 1391 attached)		
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:		
None.		
WORK DROUBLANDED HOW HERDER TOTALS IT		
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.		

FY 1996 MILITARY CONSTRUCTION PROJECT D (computer generated) INSTALLATION AND LOCATION ARIOUS AIR FORCE BASES PROJECT TITLE ST AQUISITION CONSTRUCTION 10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	5. PROJECT NUMBE N/A Current Working Estimate (\$000)
INSTALLATION AND LOCATION RIOUS AIR FORCE BASES PROJECT TITLE ST AQUISITION CONSTRUCTION 10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	N/A Current Working Estimate (\$000)
PROJECT TITLE ST AQUISITION CONSTRUCTION 10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	N/A Current Working Estimate (\$000)
PROJECT TITLE ST AQUISITION CONSTRUCTION 10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	N/A Current Working Estimate (\$000)
25T AQUISITION CONSTRUCTION 10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	N/A Current Working Estimate (\$000)
10. Description of work to be accomplished Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	Current Working Estimate (\$000)
Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	Estimate (\$000)
Location and Project COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	Estimate (\$000)
COLORADO (CONT) USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	Estimate (\$000)
USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	4,029
USAF ACADEMY IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	4,029
IMPROVE CAPEHART FAMILY HOUSING XQPZ950030 - Improve 62 Capehart units. Renovate kitchens	4,029
- Improve 62 Capehart units. Renovate kitchens	
and bathrooms; add family rooms, bathrooms,	
privacy fencing, garages, and trash enclosures.	
Relocate washers/dryers to main level and patios	
next to the family room/kitchen. Functional	
layouts will be modified and square footage	
increased as required. Repair interior and exterior features and landscape as required.	
Construct two playgrounds.	
(Separate DD Form 1391 attached)	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:	
Includes some radon mitigation (average cost,	
\$2,700/unit), some minor roof repairs	
(\$1,400/unit average), and basement leak repairs	
(\$4,500/unit average).	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
DOLLANG AND	
BOLLING AFB IMPROVE FAMILY HOUSING MGT OFFICE	401
BXUR964004	404
- Work includes addition and alteration to	
existing housing office, site work, utilities as	
needed, roof/truss system to match existing	
facility. Project also provides interior	
finish, fixtures, fire protection/detection and	
provisions for handicap persons. Provide walks,	
landscaping and fenced play yard for children of	
customers of the housing office.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	

1. COMPONENT	THE LOOK WILL THINK CONSTRUCTION DOCUMENT		2. DATE
AIR FORCE	FY 1996 MILITARY CONSTRUCTION PROJECT 1	DATA	
	(computer generated) ON AND LOCATION		
VARIOUS AIR FO 4. PROJECT TI		Is pp	OJECT NUMBER
i. FRODECI II.	1112	J. FR	OOECI NUMBER
POST AQUISITION	ON CONSTRUCTION		N/A
10. Descrip	tion of work to be accomplished	G	to Manufaire
Lo	ocation and Project		t Working te (\$000)
FLORIDA			
ELGIN AUX	FIELD 9 (HURLBURT FIELD)		
	IMPROVEMENT		1,120
FTEV96400'	•		
	ct paved multi-use trails, site ing, bus shelters, benches and litter		
	cles. Block-scale improvement of		
-	tal trees, plaintings at intersection to		
	try streets. Construct sidewalks and		
driveway	ys including pedestrian overpass across		
	98. Construct 10'x12' storage units to		
	s in Pines Shadow area.		
	COMPLISHED IN PREVIOUS THREE YEARS: None OGRAMMED FOR NEXT THREE YEARS: None		
GEORGIA MOODY AFI	8		
IMPROVE MI	ILITARY FAMILY HOUSING (PHASE 1)		8,263
housing addition	s interior and exterior renovation of 128 units. Includes utility upgrade and as to meet standards. Upgrades kitchens,		
provides	ms and flooring, improves floorplans, s increased energy efficiency, privacy		
	, patios, playgrounds and recreation and replaces carports with garages		
	and replaces carports with garages sappliances, demolition, and		
	s/LBP and Radon remediation.		
	te DD Form 1391 attached)		
	COMPLISHED IN PREVIOUS THREE YEARS: Only		
	and change of occupancy maintenance has		
	complished in the previous three years.		
	OGRAMMED FOR NEXT THREE YEARS: Only and change of occupancy maintenance is		
	ated in the three years following		
upgrade.	•		

1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT 1	DATA	2. DATE
AIR FORCE	(computer generated)		
3. INSTALLATI	ON AND LOCATION		
VARIOUS AIR E		1= ===	
4. PROJECT TI	TLE	5. PRO	JECT NUMBER
POST AQUISITI	ON CONSTRUCTION		N/A
10. Descrip	otion of work to be accomplished	Q	** and done
<u>I</u>	ocation and Project		Working e (\$000)
HAWAII HICKAM A	ED		
	CAMILY HOUSING (PHASE 1)		19,897
- Improve	126 housing units. Work includes interior and exterior modernization and		
	ion; utility upgrades and additions to areas to meet current standards; improved		
environ	lans; increased energy efficiency; and, mental compliance. Neighborhood work		
facilit	es utility upgrades, recreational ies, pavements and landscaping.		
_	te DD Form 1391 attached) COMPLISHED IN PREVIOUS THREE YEARS:		
	OGRAMMED FOR NEXT THREE YEARS: None.		
ILLINOIS			
SCOTT AF IMPROVE F	B AMILY HOUSING		4,450
VDYD97400	5 r and exterior modernization and		
renovat	ion of 48 housing units. Upgrades s, bathrooms, floor coverings, improves		
_	ans, increases energy efficiency, privacy, patios, playgrounds, and recreation Includes demolition and		
asbesto	s/lead-based paint removal. te DD Form 1391 attached)		
	COMPLISHED IN PREVIOUS THREE YEARS: None OGRAMMED FOR NEXT THREE YEARS: None		

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT I	DATA
IR FORCE	(computer generated)	
. INSTALLATIO	N AND LOCATION	
VARIOUS AIR FO		5. PROJECT NUMBER
. PROJECT TIT	TE	5. PROJECT NUMBER
OST ACHISTTIC	N CONSTRUCTION	N/A
ODI IIQUIDIII		
10. Descript	ion of work to be accomplished	
		Current Working
Lo	cation and Project	Estimate (\$000)
NEW JERSEY MCGUIRE A	מש	
	NERAL OFFICER QUARTERS	509
PTFL934017	-	303
	four General Officer units. Reconfigure	
	ade kitchens; upgrade bathrooms,	
	al and electrical systems. Replace	
	coofs, siding, and add insulation.	
	master bedroom, repair porches and	
	, paint interior, and replace carpet.	
	e DD Form 1391 attached)	
- WORK ACC	COMPLISHED IN PREVIOUS THREE YEARS:	
FY93: I	Repair kitchen, landscape, \$21K. FY94:	
Replace	patios, windows, \$51K. FY95: Replace	
doors, g	garage doors, siding; repair bathroom,	
\$56K.		
	GRAMMED FOR NEXT THREE YEARS: FY97:	
_	garage doors, landscape, \$27K. FY98:	
	driveway, repair garage, \$24K. FY99:	
Replace	exterior lighting, repair kitchen, \$22K.	
IMPROVE FA	AMILY HOUSING	9,643
PTFL96400		
- Interior	and exterior modernization and	
renovat:	on of 100 housing units. Upgrades	
kitchens	s, bathrooms, floor coverings, improves	
floorpla	ans, increases energy efficiency, privacy	
fencing	patios, playgrounds, and recreation	
areas.	Includes demolition and	
	s/lead-based paint removal.	
(Separat	te DD Form 1391 attached)	
	COMPLISHED IN PREVIOUS THREE YEARS: None	
ב שרסע ספר	GRAMMED FOR NEXT THREE YEARS: None	

			12 2202
1. COMPONENT	FY 1996 MILITARY CONSTRUCTION PROJECT	מידמרו	2. DATE
ATD BODGE	(computer generated)	DAIA	+
AIR FORCE 3. INSTALLATIO	N AND LOCATION		
VARIOUS AIR FO		1	
4. PROJECT TIT	LE	5. PF	ROJECT NUMBER
מוודפדיים	N CONSTRUCTION	ļ	N/A
FOBT AQUIBITIO	N CONDINGCTION		
10. Descript	ion of work to be accomplished	G	t Wardeine
T -	antion and Dropage		nt Working nte (\$000)
<u> 170</u>	cation and Project	BBCIME	(\$000)
NORTH CAROLI	<u>NA</u>		
POPE AFB			
	LITARY FAMILY HOUSING		1,221
TMKH904000			
	10 historical housing units. Upgrade systems, alter HVAC ducts, remodel		
	and bathrooms, insulate throughout,		
	xterior finishes, replace roofs,		
	t patios with privacy fences, replace		
	nstall storm windows, repair garages,		
	ace interior finishes and hardware.		
Includes	Asbestos and Lead-based paint removal.		
Remove u	nderground tanks.		
-	e DD Form 1391 attached)		
- WORK ACC	OMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PRO	GRAMMED FOR NEXT THREE YEARS: None		
SEYMOUR-JO	HNSON AFB		
	IVACY FENCES		311
VKAG945000			
	existing privacy fencing by replacing wire mesh and fabric fence with a metal		
	fence. Work includes demolition of		
-	fencing; excavation for concreted post		
_	d mowing strips; re-landscaping; new		
	d fence panels; grounding; and new		
gates.			
_	OMPLISHED IN PREVIOUS THREE YEARS: None		
- WORK PRO	GRAMMED FOR NEXT THREE YEARS: None		

. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA
IR FORCE	(computer generated)	
. INSTALLATI	ON AND LOCATION	
ARIOUS AIR F	ORCE BASES	
. PROJECT TI	TLE	5. PROJECT NUMBER
OST AQUISITI	ON CONSTRUCTION	N/A
10. Descrip	otion of work to be accomplished	
<u>I</u>	ocation and Project	Current Working Estimate (\$000)
OHIO		
	ATTERSON AFB	
IMPROVE F	PAMILY HOUSING PHASE 9	6,000
refinis of func rear en fences, Add par additio footage (Separa	es new plumbing, electrical, HVAC systems, shing interior surfaces, reconfiguration etional layout. Improve exterior, install atry steel doors, provide patios, privacy storage sheds, and correct drainage. Exing areas throughout. Construct on to SOQs to add authorized square etc. The DD Form 1391 attached) CCOMPLISHED IN PREVIOUS THREE YEARS: None ROGRAMMED FOR NEXT THREE YEARS: None	
VIRGINIA LANGLEY	AFR	
THUGHET	1 ** **	
	PAMILY HOUSING FIRE STATION	67
IMPROVE F	FAMILY HOUSING FIRE STATION	67
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) the station, Building 1795. The work also the estation of the	v
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include fire st	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) the station, Building 1795. The work also the estation of the	Y
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include fire st	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) tre station, Building 1795. The work also es enlarging the living quarters of the tation. CCOMPLISHED IN PREVIOUS THREE YEARS: None	Y
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include fire st	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) tre station, Building 1795. The work also es enlarging the living quarters of the tation. CCOMPLISHED IN PREVIOUS THREE YEARS: None	Y
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include fire st	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) tre station, Building 1795. The work also es enlarging the living quarters of the tation. CCOMPLISHED IN PREVIOUS THREE YEARS: None	Y
IMPROVE F MUHJ93022 - All mat enlarge the Bet Area fi include fire st	FAMILY HOUSING FIRE STATION cerial, equipment, and labor required to the firefighting vehicle parking bay in thel Manor Military Family Housing (MFH) tre station, Building 1795. The work also es enlarging the living quarters of the tation. CCOMPLISHED IN PREVIOUS THREE YEARS: None	Y

Page No

1. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT	DATA
AIR FORCE	(computer generated)	
3. INSTALLATIO	N AND LOCATION	
TIND TOTAL A TO TO	DOT DAGEG	
VARIOUS AIR FO		5. PROJECT NUMBI
		
POST AQUISITION	N CONSTRUCTION	N/A
10 Decarint	ion of work to be accomplished	
io. Descript.	TOUR OI WOLK TO BE ACCOMPTIBLE	Current Working
T ₁ O	cation and Project	Estimate (\$000)
<u> 10</u>	0402011 4114 223 3000	
WYOMING		
F E WARREN	AFB	
IMPROVE FA	MILY HOUSING PHASE 1	5,624
GHLN927185		
	general interior and exterior	
	ation and renovation of 52 housing	
	Includes upgrading heating and plumbing	
	remodels kitchens & replaces windows.	
	demolition and asbestos/lead-based	
	moval. Nieghborhood improvements	
	tree planting, play area fencing, off	
-	edestrian trail system, & nieghborhood	
	s/road changes.	
	e DD Form 1391 attached)	
	OMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PRO	GRAMMED FOR NEXT THREE YEARS: None	
•		

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT D AIR FORCE (computer generated)	1 1
3. INSTALLATION AND LOCATION	[.
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	5. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A
	ļ
10. Description of work to be accomplished	Garage Ward
Location and Project	Current Working Estimate (\$000)
OVERSEAS	
AUSTRALIA	
WOOMERA AS	į
IMPROVE FAMILY HOUSING PH V	212
ZGTT964001 - Replace heating, ventilating, and air	·
conditioning, exterior siding, doors and windows	İ
for 3 housing units. Install wiring, repaint	
interior, landscape yards and install sprinkler system. Renovate downstairs bathroom.	į
(Separate DD Form 1391 attached)	
- WORK .ACCOMPLISHED IN PREVIOUS THREE YEARS: None	
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	
	!
İ	j
GERMANY RAMSTEIN AB	
IMPROVE FAMILY HOUSING (BATH TOWERS)	1,600
YANB954552	j
- Provide concrete bathroom towers for 64	
apartment type housing units. Includes erection of precast concrete towers, installation of	
bathroom fixtures, and all plumbing, carpentry,	
electrical, and other work necessary to provide	
a laundry room and a second bathroom in MFH units to meet minimum housing standards and	
needs.	
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None	į
- WORK PROGRAMMED FOR NEXT THREE YEARS: None	ļ
	,
	!
į .	İ

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DATA	4
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
VARIOUS AIR FORCE BASES	
4. PROJECT TITLE	. PROJECT NUMBER
POST AQUISITION CONSTRUCTION	N/A
10. Description of work to be accomplished	
Cu	rrent Working
Location and Project Es	stimate (\$000)
GUÀM	
ANDERSEN AFB	

IMPROVE FAMILY HOUSING (PHASE 7) AJJY964402R2

5,828

- Improve 54 family housing units. Work includes enlarging the master bedroom, renovation of kitchen, bathroom, plumbing and electrical systems, and typhoon shutters; construction of outside storage and installation of package A/C system. Environmental work includes asbestos and lead based paint compliance. Neighborhood improvements include bus shelter, playground and sidewalks.
- WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.
- WORK PROGRAMMED FOR NEXT THREE YEARS: None.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

POST ACQUISITION CONSTRUCTION PROJECTS (over \$50,000 per unit)

A separate DD Form 1391 follows for each Post Acquisition Construction project which is over \$50,000 per unit (multiplied by the Area Cost Factor).

1. COMPONENT			2. DATE
į	FY 1996 MILITARY CO	NSTRUCTION PROJECT DATA	
AIR FORCE	(compute	r generated)	
3. INSTALLATION	AND LOCATION	4. PROJECT TITLE	
			į
PETERSON AIR FOR	RCE BASE, COLORADO	IMPROVE FAMILY HOU	ISING PHASE 7
5. PROGRAM ELEMI	ENT 6 . CATEGORY CODE	7. PROJECT NUMBER 8. PRO	JECT COST(\$000)
			İ
8.87.42	711-143	TDKA924001P1	5,690
	9. COST	ESTIMATES	
		1	NIT COST

J. COST ESTIMATE				
			UNIT	COST
ITEM		QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING PHASE 7	UN	76	47,500	3,610
SUPPORTING FACILITIES	-			1,651
UTILITIES	LS		j	(233)
SITE IMPROVEMENTS	LS			(226)
PAVEMENTS	LS			(172)
COMMUNITY DEVELOPMENT PLAN	LS			(564)
ASBESTOS AND LEAD REMOVAL	UN	76	6,000	(<u>456</u>)
SUBTOTAL				5,261
CONTINGENCY (5%)				263
TOTAL CONTRACT COST				5,524
SUPERVISION, INSPECTION AND OVERHEAD (3%)				166
TOTAL REQUEST				5,690
				1
	1			ļ
	1			ļ
	1			ļ
MOST EXPENSIVE UNIT \$93,500				ļ
AREA COST FACTOR 1.06				

- 10. Description of Proposed Construction: Upgrade 76 housing units, supporting facilities, and community development improvements. Work will include alteration of interior spaces, improvement and repair of kitchens, bathrooms, and other rooms, windows, doors, finishes, lighting fixtures, new roofing, garages/carports, mechanical, electrical, and utilities systems, yards, walks, driveways, fencing, and asbestos and lead removal.
- | 11. REQUIREMENT: 4,743 UN ADEQUATE: 190 UN SUBSTANDARD: 301 UN | PROJECT: Improve Family Housing Phase 7. This includes community | development improvements. (Current Mission).

REQUIREMENT: Project is required to upgrade existing housing to current construction codes and livability standards to extend usable life of the units. This will include the upgrade of 76 existing units in accordance with the Air Force "Whole House Modernization Concept". In adjacent areas, a Community Development Plan (CDP) will also be a part of this project to include paved walking paths, upgraded and new playgrounds, area landscaping, pedestrian crossings and other miscellaneous improvements. This is the seventh of multiple phases to upgrade 491 houses. A total of 245 units have been upgraded or were approved in previous phases. Also 13 GOQ's have been renovated under other Whole House projects. This project is based on and conforms in principal to the Housing Community Plan, dated 29 July 91.

| CURRENT SITUATION: The housing units included in this project were | constructed in 1965 & 1975 using a tract housing concept, with low cost/ | high maintenance materials. Due to existing functional arrangement of | partition walls, kitchens, dining, and laundry room areas, poor | utilization of space exists. Location of kitchen appliances, counter | space, and existing partition arrangements results in poor traffic flow.

1. COMPONENT		2. DATE
FY 1996 MILITARY	CONSTRUCTION PROJECT DAY	ra
AIR FORCE (comp	uter generated)	
3. INSTALLATION AND LOCATION		
PETERSON AIR FORCE BASE, COLORADO		
4. PROJECT TITLE		5. PROJECT NUMBER
		•
TMDDOVE FAMILY HOUSTNG DHASE 7		TDKA924001P1

Lighting fixtures are poorly located and old ranging in age from 18 to 26 years old. Because of age and wear, complete renovation of the bathrooms is required. Existing surface finishes are antiquated and require upgrading. The metal windows with exterior storm windows have worn sliding sashes that are loose and binding. Most units lack adequate storage. Insulation, new roofing and new exterior siding are needed. Asbestos and lead based paint require removal. Surrounding outdoor recreation areas are inadequate and require upgrading and improvement. IMPACT IF NOT PROVIDED: Current housing units do not satisfy the current Air Force Quality of Life standards, forcing military families to live in facilities that are sub-standard and not consistent with the quality of today's housing construction. Housing units will continue to deteriorate at a rapid rate requiring high maintenance, repair and other contract work. The exterior surrounding community recreation areas will continue to be less than adequate. The most recent Housing Market Analysis shows a housing deficit of 1669 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The MFH Community Plan suggested phasing plan was set up for approximately 10 years. The replacement cost of the 76 units ranges from \$101,600 to \$143,900. The work in this project does not exceed a maximum of 68% of the replacement cost of any one of these units.

1. COMPONENT	2. DATE
FY 1996 MILITARY CONST	RUCTION PROJECT DATA
AIR FORCE (computer ge	enerated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	IMPROVE CAPEHART FAMILY
USAF ACADEMY	HOUSING
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. 1	PROJECT NUMBER 8. PROJECT COST(\$000)

. INCOMM HIBMEN	I O. CAILGORI	CODE / /. PRODECT NORDER	[0. FROBECT COST (\$000)
		İ	
8.87.42	711-111	XQPZ950030	4,029
	9.	COST ESTIMATES	
			UNIT COST

			UNIT	COST
ITEM		QUANTITY	COST	(\$000)
IMPROVE CAPEHART FAMILY HOUSING	UN	62	53,610	3,324
SUPPORTING FACILITIES			İ	402
UTILITIES	LS			(70)
PARKING	LS			(66)
LANDSCAPING	LS			(49)
CLUSTER ENTRANCE	LS			(60)
ENVIRONMENTAL HAZARD MITIGATION	LS			(103)
CONSTRUCT RECREATION FACILITIES	LS			(54)
SUBTOTAL				3,726
CONTINGENCY (5%)				186
TOTAL CONTRACT COST				3,912
SUPERVISION, INSPECTION AND OVERHEAD (3%)				117
TOTAL REQUEST			1	4,029
				1
		1		1
		1		1
MOST EXPENSIVE UNIT \$86,084			1	1
AREA COST FACTOR 1.06				

- | 10. Description of Proposed Construction: Improve 62 Capehart units. | Renovate kitchens and bathrooms; add family rooms, bathrooms, privacy | fencing, garages, and trash enclosures. Relocate washers/dryers to main | level and patios next to the family room/kitchen. Functional layouts will | be modified and square footage increased as required. Repair interior and | exterior features and landscape as required. Construct two playgrounds. | Grade Mix: 62 04-010.
- 11. REQUIREMENT: 1,481 UN ADEQUATE: 75 UN SUBSTANDARD: 1,154 UN PROJECT: Provides improvements and repairs to 62 Capehart military family housing units and constructs two playgrounds.

REQUIREMENT: Project is required to provide adequate quarters for military members and their families assigned to this installation. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1959. Kitchens, baths, windows, and siding were partially renovated between 1977 and 1983. Units do not meet current DOD standards. Kitchens need modifications to provide adequate storage cabinet and countertop areas. Most units do not have enough bathrooms. Formal/informal dining areas are too small and very few units have family rooms. The units require maintenance and repair on plumbing, heating, and electrical systems. Closet doors are difficult to operate and most laundry areas are in the basements away from the bedrooms. Mitigation of asbestos, radon, and lead-based paint is required in some units to meet EPA and Air Force standards. Existing carports and entry foyers are inadequate for climatic conditions.

IMPACT IF NOT PROVIDED: Occupants will continue to live in substandard

]1. COMPONENT	2. DATE		
FY 1996 MILITARY CONSTRUCTION P	PROJECT DATA		
AIR FORCE (computer generated)			
3. INSTALLATION AND LOCATION			
USAF ACADEMY			
4. PROJECT TITLE	5. PROJECT NUMBER		
IMPROVE CAPEHART FAMILY HOUSING	XOPZ950030		

housing in units that do not meet Air Force standards or are of comparable quality to off-base housing. Operations and maintenance costs will continue to increase due to the age and deterioration of the facilities and building systems. Energy consumption will increase and utility expenses will continue to escalate. Morale and retention of quality Air force people will be reduced. The units will become uninhabitable. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Includes some radon mitigation (average cost, \$2,700/unit), some minor roof repairs (\$1,400/unit average), and basement leak repairs (\$4,500/unit average). WORK PROGRAMMED FOR NEXT THREE YEARS: None ADDITIONAL: The average replacement costs for the two unit types in this project are \$129,000 and \$150,000. The total work included in this project represents a maximum of 50% of the replacement cost of an individual unit. Economic analysis demonstrates improving these units is the most economical way to continue to operate them. This project meets the criteria/scope specified in Part II of Military Handbook 1190, "Facility Planning and Design Guide".

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRU	CTION PROJECT DATA
AIR FORCE (computer gene	erated)
3. INSTALLATION AND LOCATION	4. PROJECT TITLE
	IMPROVE MILITARY FAMILY
MOODY AIR FORCE BASE, GEORGIA	HOUSING (PHASE 1)
5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PRO	OJECT NUMBER 8. PROJECT COST(\$000)
i i i	j i

QSEU933000

711-143

UNIT COST	COST (\$000)
!	(\$000)
	1
	1
43,030	5,508
1	2,132
1	(622)
	(264)
	(301)
[(591)
	(245)
	(109)
	7,640
	382
	8,022
	241
	8,263
	43,030

| 10. Description of Proposed Construction: Provides interior and exterior | renovation of 128 housing units. Includes utility upgrade and additions | to meet standards. Upgrades kitchens, bathrooms and flooring, improves | floorplans, provides increased energy efficiency, privacy fencing, patios, | playgrounds and recreation areas, and replaces carports with garages | Includes appliances, demolition, and asbestos/LBP and Radon remediation.

| 11. REQUIREMENT: 1,853 UN ADEQUATE: 1,563 UN SUBSTANDARD: PROJECT: Improve 128 Military Family Housing units (Phase 1). REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Moody AFB. |The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade 304 houses. All units will meet "whole house" standards and are programmed in accordance with phase "A" of the Housing Community Plan. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs. |CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1965-1972. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. have had no major upgrades since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Kitchens are small and poorly configured. Bathrooms also require

8,263

8.87.42

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAT	'A
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
MOODY AIR FORCE BASE, GEORGIA	
4. PROJECT TITLE	5. PROJECT NUMBER
į ·	
IMPROVE MILITARY FAMILY HOUSING (PHASE 1)	QSEU933000

enlargement and replacement of outdated fixtures, vanities, and exhaust fans. Countertops are warped, stained and deteriorated from age and use. Plumbing and lighting fixtures are deteriorated. The electrical systems do not meet modern construction codes. Ground Fault Circuit Interrupter protection is lacking from bath, kitchen, and exterior circuits. Windows and doors require replacement. Flooring is old and worn...some contains asbestos.

IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and inconvenience to occupants. Costly repairs will continue, with little or |no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: Only routine and change of occupancy maintenance has been accomplished in the previous three years. WORK PROGRAMMED FOR NEXT THREE YEARS: Only routine and change of occupancy maintenance is anticipated in the three years following upgrade. ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, renovation was found to be the most cost effective over the life of the project. The cost to improve this housing is 63% of the replacement cost.

1. COMPONENT								1	2. D	ATE	
,	F	7 1996 MILITA	ARY CO	ONST	RUCTIO	N PRO	OJECT DAT	A			
AIR FORCE					enerat						
3. INSTALLATI	ON ANI	LOCATION			4.	PRO	JECT TITL	E			
					IN	IPROVI	E FAMILY	HOUSIN	G		
HICKAM AIR FO	RCE BA	ASE, HAWAII			(I	HASE	1)				
5. PROGRAM EL	EMENT	6. CATEGORY	CODE	7.	PROJEC	T NUI	MBER 8.	PROJEC	T CO	ST (\$	(000
				ĺ							
8.87.42	İ	711-143		1	KNMD96	4401			19	, 897	'
		9.	. cos:	r ES'	TIMATE	:s					
								UNIT	'	COS	T
i		ITEM				U/M	QUANTITY	COST	<u> </u>	(\$00	0)
IMPROVE FAMIL	Y HOUS	SING (PHASE I	L)			UN	126	107,6	10	13,	559
SUPPORTING FA	CILIT	ŒS								4,	838
UTILITIES						UN	1	675,0	00	(2,	675)
RECREATIONAL FACILITIES					LS				(489)	
LANDSCAPING				LS			1	(271)		
PAVEMENTS						LS		}		(5 95)
ASBESTOS/LE	EAD-BAS	SED PAINT COM	MPLIA	NCE		UN	126	5,2	22	(658)

MOST EXPENSIVE UNIT 1.64 AREA COST FACTOR 10. Description of Proposed Construction: Improve 126 housing units. Work includes general interior and exterior modernization and renovation; utility upgrades and additions to living areas to meet current standards; improved floor plans; increased energy efficiency; and, environmental |compliance. Neighborhood work includes utility upgrades, recreational

\$141,700

facilities, pavements and landscaping. 583 UN SUBSTANDARD: 2,489 UN REQUIREMENT: 3,195 UN ADEQUATE: PROJECT: Improve 126 family housing units (Phase 1). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at this installation. Housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the off-base civilian community. This is the first of multiple phases to upgrade housing units. 180 units are new and do not require upgrading. 2489 units remain to be accomplished. All units will meet whole house standards and are programmed in accordance with phase one of the Housing |Community Plan. Renovated housing will provide modern kitchens, baths, and interior configurations. Whole neighborhood improvements will be provided. 16 additional units will be demolished. The units are in poor condition and cannot be economically ungraded to current whole house standards. The units are 1602 Puakauhi Court, 1641 Puapilo Court, and |1642/1643 Pilokea Court. All the units are 4-plex's. It will also reduce the density and is in line with the Hickam Housing Community Plan. CURRENT SITUATION: Units were constructed in 1964/65 and have not been renovated. The units are minimally adequate in size, require upgrade of electrical and plumbing systems, are subjected to temperatures in excess of 90 degrees during summer months, and require upgrade of kitchens and

9,375 (

16

UN

150)

920

580

18,397

19,317

19,897

DEMOLITION/DISPOSAL

SUPERVISION, INSPECTION AND OVERHEAD (3%)

SUBTOTAL

CONTINGENCY (5%)

TOTAL REQUEST

TOTAL CONTRACT COST

1. COMPONENT	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT DAY	ra
AIR FORCE (computer generated)	
3. INSTALLATION AND LOCATION	
HICKAM AIR FORCE BASE, HAWAII	
4. PROJECT TITLE	5. PROJECT NUMBER
 IMPROVE FAMILY HOUSING (PHASE 1)	 KNMD964401

baths. Carports are old gang-type and must be replaced; bulk storage space is minimal; smoke detectors are lacking and some units require family rooms. Neighborhoods contain no playgrounds, sparse landscaping, and deteriorated sidewalks. Parking is congested. There is no sense of community or home.

IMPACT IF NOT PROVIDED: Members will continue to be housed in unsatisfactory and undersized units with adverse effects on morale and retention and be subjected to temperatures in excess of 90 degrees during the summer months. Without this project, these units and carports will continue to deteriorate as maintenance costs increase. Units will remain out of compliance with Air Force standards of size, livability and life safety.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None.

WORK PROGRAMMED FOR NEXT THREE YEARS: None.

ADDITIONAL: This project meets the criteria/scope specified in Part II of the Military Handbook 1190, "Facility Planning and Design Guide." An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The initial cost percentage of improvement versus replacement cost is 66 percent. The housing requirements analysis based on the Oahu Island-wide housing market analysis contains a projected housing deficit of 123 units.

1. COMPONENT			2	. DATE
F	Y 1996 MILITARY CONST	RUCTION PROJECT	DATA	
AIR FORCE	(computer ge	enerated)		
3. INSTALLATION AND	D LOCATION	4. PROJECT	TITLE	
		1		ļ
SCOTT AIR FORCE BA	SE, ILLINOIS	IMPROVE FAM	LY HOUSING	
5. PROGRAM ELEMENT	6. CATEGORY CODE 7. I	PROJECT NUMBER	8. PROJECT	COST(\$000)
†	[
8.87.42	711-142	/DYD974005		4,450
	9. COST EST	TIMATES		
		1	UNIT	COST

<u>y.</u>	COST ESTIMAT	.ES			
			1	UNIT	COST
ITEM	-	U/M	QUANTITY	COST	(\$000)
IMPROVE FAMILY HOUSING		UN	48	68,520	3,289
SUPPORTING FACILITIES		1		-	825
SITE WORK/IMPROVEMENTS		LS	1		(777)
ASBESTOS & LEAD BASE PAINT REM	IOVAL	LS			(48)
SUBTOTAL			1		4,114
CONTINGENCY (5%)			1		206
TOTAL CONTRACT COST			1		4,320
SUPERVISION, INSPECTION AND OVER	HEAD (3%)		1		130
TOTAL REQUEST					4,450
			Į		Ì
			ļ		
			ļ		
			[
			ļ		
			ļ		
MOST EXPENSIVE UNIT	\$85,663		ļ		
AREA COST FACTOR	1.14				

- | 10. Description of Proposed Construction: Interior and exterior | modernization and renovation of 48 housing units. Upgrades kitchens, | bathrooms, floor coverings, improves floorplans, increases energy | efficiency, privacy fencing, patios, playgrounds, and recreation areas. | Includes demolition and asbestos/lead-based paint removal.
- 11. PROJECT: Improve family housing (Phase B). (Current Mission)
 | REQUIREMENT: To provide a comfortable and appealing living environment | comparable to the off-base civilian community for military members and | their families at Scott AFB. This project is programmed to meet "whole | house" standards IAW the Scott AFB Housing Community Plan.

CURRENT SITUATION: These units were constructed in 1970 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, patio or backyard privacy.

| IMPACT IF NOT PROVIDED: Air Force members and families will continue to | be inadequately housed. Low morale and retention problems can be expected | since suitable, affordable off-base housing is not available. Units will | continue to deteriorate resulting in escalating operations, maintenance | and repair costs to the Government.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

[1. COMPONENT	2. DATE					
FY 1996 MILITARY CONSTRUCTION PROJECT DA	TA					
AIR FORCE (computer generated)						
3. INSTALLATION AND LOCATION						
SCOTT AIR FORCE BASE, ILLINOIS						
4. PROJECT TITLE	5. PROJECT NUMBER					
IMPROVE FAMILY HOUSING	VDYD974005					

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 63% of the replacement cost.

1. COMPONENT	1									2.	DATE	
1	FY:	1996 MILITAR	Y CONS	TRUC	rioi	N PR	OJECT	DAT	A			
AIR FORCE (computer generated)												
3. INSTALLAT	3. INSTALLATION AND LOCATION 4. PROJECT TITLE											
								ERAL	OFFIC	ERS	3	
MCGUIRE AIR I						ARTE						
5. PROGRAM EI	LEMENT 6	. CATEGORY CO	$DE \mid 7$.	PROJ	JEC:	r nur	MBER	8. 1	PROJEC	T (COST (\$000)
	ļ		ļ									
8.87.42		711-111		PTFI							509	
		9. (COST E	STIM	TES	3						
1					į				LIND	,	COST	
		TEM					QUAN"	TTTY	COSI		(\$000)	
IMPROVE GENER	CAL OFFIC	ERS QUARTERS	3			UN		4	117,5	00	<u>470</u>	.
							470	-				
CONTINGENCY (5%)							٠ !					
TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (3%)									i	- 1	494	!
TOTAL REQUEST		ON AND OVERE	LEAD (.	38)				1		ļ	15	
TOTAL REQUEST	•				i	ŀ				- [509	
 								į				-
<u> </u> 						[ļ
! 					. !	!						!
] 												-
					1	; 		ļ				-
					;			 		į		ļ
					- 1	 		1		 		
					ľ					 		
					! 	! 		 				-
MOST EXPENSIV	E UNIT	\$	146,79	90	i	i		i		i		1
AREA COST FAC	TOR	,	1.1		Ì	i		i		i		

10. Description of Proposed Construction: Improve four General Officer units. Reconfigure and upgrade kitchens; upgrade bathrooms, mechanical and electrical systems. Replace doors, roofs, siding, and add insulation. Expand master bedroom, repair porches and ceilings, paint interior, and replace carpet.

11. PROJECT: Improve 4 General Officer units.

REQUIREMENT: To provide adequate quarters for the McGuire Wing Commander, Numbered Air Force Commanders, and Air Mobility Warfare Center Commanders adequate quarters commensurate with their responsibilities and duties. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan.

CURRENT SITUATION: The existing units are over thirty years old and the scope of repairs required are beyond the capability of the scheduled yearly maintenance limits. Major renovation is required to correct deterioration resulting from age and heavy use. The units have recieved only routine maintenance and repairs and do not meet the needs of today's family nor provide a modern home environment. The climatic controls are energy inefficient and have exceeded their economic life span. The electrical system does not meet current safety codes and the panel boxes exceed capacity. The radiant hot water heating system leaks and has caused extensive damage to the ceilings and floors. The bathrooms are small and have outdated fixtures. There is insufficient closet and storage space.

| IMPACT IF NOT PROVIDED: Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government. | Energy consumption will increase due to age and deterioration of | inadequate and inefficient building systems causing utility costs to

[1. COMPONENT	2. DATE						
FY 1996 MILITARY CONSTRUCTION PROJECT	DATA						
AIR FORCE (computer generated)							
3. INSTALLATION AND LOCATION							
MCGUIRE AIR FORCE BASE NEW JERSEY							
4. PROJECT TITLE	5. PROJECT NUMBER						
IMPROVE GENERAL OFFICERS OHARTERS	 PTF1.934017						

increase. Quality of life for the general officers and their families will not be commensurate with position and rank.

| WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: FY93: Repair kitchen, |
| landscape, \$21K. FY94: Replace patios, windows, \$51K. FY95: Replace |
| doors, garage doors, siding; repair bathroom, \$56K. |
| WORK PROGRAMMED FOR NEXT THREE YEARS: FY97: Replace garage doors, |
| landscape, \$27K. FY98: Replace driveway, repair garage, \$24K. FY99: |
| Replace exterior lighting, repair kitchen, \$22K. |
| ADDITIONAL: An economic analysis has been prepared comparing the |
| alternatives of new construction, revitalization, leasing and status quo |
| operation. Based on the net present values and benefits of the respective |
| alternatives, revitalization was found to be the most cost efficient over |
| the life of the project. The cost to improve this unit is 47% of the |
| replacement cost. Project will bring unit 4502 up to allowable net square

footage of 2310.

2. DATE 1. COMPONENT FY 1996 MILITARY CONSTRUCTION PROJECT DATA (computer generated) AIR FORCE 4. PROJECT TITLE 3. INSTALLATION AND LOCATION IMPROVE FAMILY HOUSING MCGUIRE AIR FORCE BASE, NEW JERSEY 5. PROGRAM ELEMENT 6. CATEGORY CODE 7. PROJECT NUMBER 8. PROJECT COST (\$000)

PTFL964001

711-143

- 9. COST ESTIMATES UNIT COST U/M|QUANTITY COST (\$000) 100 74,700 7,470 IMPROVE FAMILY HOUSING 1,446 SUPPORTING FACILITIES LS (150) STORM DRAINAGE LS (425) SANITARY SERVICE (250) LS WATER DISTRIBUTION |LS | (300) ASBESTOS & LEAD BASE PAINT REMOVAL 321) LS COMMUNITY IMPROVEMENTS 8,916 SUBTOTAL 446 CONTINGENCY (5%) 9,362 TOTAL CONTRACT COST SUPERVISION, INSPECTION AND OVERHEAD (3%) 281 9,643 TOTAL REQUEST MOST EXPENSIVE UNIT \$99,225 AREA COST FACTOR 1.19
- 10. Description of Proposed Construction: Interior and exterior modernization and renovation of 100 housing units. Upgrades kitchens, bathrooms, floor coverings, improves floorplans, increases energy efficiency, privacy fencing, patios, playgrounds, and recreation areas. Includes demolition and asbestos/lead-based paint removal.

PROJECT: Improve family housing (Phase B). (Current Mission)

REQUIREMENT: To provide a comfortable and appealing living environment comparable to the off-base civilian community for military members and their families at McGuire AFB. This project is programmed to meet "whole house" standards IAW the McGuire AFB Housing Community Plan. | CURRENT SITUATION: These units were constructed in 1961 and require major renovation to correct deterioration resulting from age and heavy use. They have had only routine maintenance and repairs since construction and do not meet the needs of today's families nor provide a modern home environment. Kitchen and bathroom cabinets and fixtures are obsolete. Plumbing and lighting fixtures are deteriorated. Electrical systems do not meet current safety codes. Ground Fault Circuit Interrupter protection is not provided. Windows, siding and insulation require replacement. The units have inadequate storage, no patio or backyard privacy. The units lack air conditioning; covered vehicle parking; cable and telephone wiring is exposed. IMPACT IF NOT PROVIDED: Air Force members and families will continue to

be inadequately housed. Low morale and retention problems can be expected since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an off-base deficit of 246 units. Units will continue to deteriorate resulting in escalating operations, maintenance and repair costs to the Government.

9,643

8.87.42

•	1. COMPONENT	2.	DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DAT	TA	
	AIR FORCE (computer generated)		
	3. INSTALLATION AND LOCATION		
	MCGUIRE AIR FORCE BASE, NEW JERSEY		
	4. PROJECT TITLE	5. PROJEC	T NUMBER
		1	
	IMPROVE FAMILY HOUSING	PTFL96	4001

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, and status quo operation. Based on the net present values and benefits of the respective alternatives, revitalization was found to be the most cost efficient over the life of the project. The cost to improve this housing is 66% of the replacement cost. Utility rebate coordination will be done by Jersey Central Power and Light to ensure units are energy efficient and to enable the base to quality for a utility rebate. Project will also provide handicapped accessible units.

Page No

1. COMPONENT		<u> </u>	2. DATE
k - 1, 1	FY 1996 MILITARY C	ONSTRUCTION PROJECT I	DATA
AIR FORCE	(comput	er generated)	i
3. INSTALLATION A	ND LOCATION	4. PROJECT TI	TLE
1		IMPROVE MILIT	CARY FAMILY
POPE AIR FORCE BAS	SE, NORTH CAROLINA	HOUSING (HIST	ORICAL UNITS)
5. PROGRAM ELEMENT	6. CATEGORY CODE	7. PROJECT NUMBER 8	. PROJECT COST(\$000)
1		1	,
8.87.42	711-144	TMKH904000	1.221

COCT POTTMATEC

9. COST ESTIM	ATES			
			UNIT	COST
ITEM	U/M	QUANTITY	COST	(\$000)
IMPROVE MILITARY FAMILY HOUSING				
(HISTORICAL UNITS)	UN	10	93,600	936
SUPPORTING FACILITIES	j	İ	į	193
SITE PREPARATION	LS	İ	į	(10)
UTILITIES	LS	İ	į	(40)
LANDSCAPE AND NEIGHBORHOOD IMPROVEMENT	LS	į	İ	(22)
GARAGES AND STORAGE	LS	ĺ	j	(36)
ASBESTOS AND LEAD-BASED PAINT REMOVAL	LS	ĺ	į	(85)
SUBTOTAL		İ	j	1,129
CONTINGENCY (5%)	1 1	Ì	İ	56
TOTAL CONTRACT COST		1	Ì	1,185
SUPERVISION, INSPECTION AND OVERHEAD (3%)		Ì	Ì	36
TOTAL REQUEST		j	İ	1,221
		İ	į	
	İ	j	i	
	İ	İ	i	
MOST EXPENSIVE UNIT \$136,000	j	İ	j	i
AREA COST FACTOR 0.86	i	i	i	i
10 5-				

- 10. Description of Proposed Construction: Improve 10 historical housing units. Upgrade utility systems, alter HVAC ducts, remodel kitchens and bathrooms, insulate throughout, repair exterior finishes, replace roofs, construct patios with privacy fences, replace doors, install storm windows, repair garages, and replace interior finishes and hardware. Includes Asbestos and Lead-based paint removal. Remove underground tanks.
- 11. REQUIREMENT: 1,967 UN ADEQUATE: 970 UN SUBSTANDARD: 459 UN PROJECT: Improve Military Family Housing (Historical Units). (Current Mission)

REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at Pope AFB. To the extent permitted by regulations governing houses listed on the National Register of Historic Places. The housing must be upgraded to meet current life safety codes and provide an environment comparable to the off-base civilian community. Historical preservation requirements preclude the facilities from meeting all "whole house" standards, but, to the extent practical, they will provide updated, modern housing conveniences. Renovated housing will provide a modern kitchen, living room, dining room, bedroom and bath configuration, with ample interior and exterior storage and garages. Parking will be provided for a second vehicle and/or visitors. Neighborhood improvements are required and will include landscaping, playgrounds and recreation areas. The support infrastructure (roads and utilities) will also be upgraded to meet modern living needs. Remove underground oil tanks, and convert to natural gas. CURRENT SITUATION: This project upgrades and modernizes housing which was constructed in 1933. These houses require major renovation and repair to correct deterioration resulting from age and heavy use. They have had no

[1. COMPONENT		2. DATE					
FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	ĺ					
AIR FORCE (computer generated)		İ					
3. INSTALLATION AND LOCATION							
POPE AIR FORCE BASE, NORTH CAROLINA							
4. PROJECT TITLE	5.	PROJECT NUMBER					
!							
IMPROVE MILITARY FAMILY HOUSING (HISTORICAL UNITS)		TMKH904000					

major upgrades, other than kitchen remodeling, since construction, and do not meet the needs of today's families, nor do they provide a modern home environment. Interior finishes need replacement and upgrade. and air conditioning systems are inefficient and require replacement, to include ducting. There is no wall or ceiling insulation. The windows, doors and framing are 63 years old and are a major cause of energy loss. Exterior finishes are deteriorated and require replacement. Electrical wiring and plumbing must be upgraded to meet modern construction codes. Asbestos and lead-based paint are evident throughout the houses. community surrounding Pope AFB does not have sufficient, adequate housing assets to support existing requirements and programmed realignment actions. The latest Housing Market Analysis shows a deficit of 418 units. IMPACT IF NOT PROVIDED: Air Force members and their families will continue to live in extremely outdated, unsuitable and unsatisfactory housing. The housing will continue to deteriorate with age, resulting in increasing and unacceptable operations, maintenance and repair costs, and inconvenience to occupants. Costly repairs will continue, with little or no improvement in the living quality provided to occupants. Low morale and retention problems can be expected if such conditions are permitted to continue, since suitable, affordable off-base housing is not available. WORK ACCOMPLISHED IN PREVIOUS THREE YEARS:

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, replacement was found to be the most cost effective over the life of the project. However, the historical nature of the housing dictates that the units be improved rather than replaced. The cost to improve this housing is 81% of the replacement cost. The high cost is attributable to historical preservation/renovation requirements.

1. COMPONENT									2.	DATE	
	FY	1996 MILIT	ARY CONSTRUC	TION	PRO	OJECT	DAT	Ά	İ		
AIR FORCE			omputer gene	rate	d)						
3. INSTALLATI	ON AND	LOCATION		4.	PRO	JECT 1	TTL	E			
				IMP	ROVI	E FAMI	LY	HOUSIN	NG		
WRIGHT-PATTER				PHA:							
5. PROGRAM EL	EMENT	6. CATEGORY	CODE 7. PRO	JECT	NUN	MBER	8.	PROJEC	T (COST (\$000
			ļ			ļ					
8.87.42		711-121		V8200	0169	•				6,000	0
		9	. COST ESTIM	ATES			-				
		Torne		!-	/			UNIT		COS	
IMPROVE FAMIL	V HOUC	ITEM				QUANT	TTY	COST	<u>'</u>	(\$00	
WHERRY FAMI				:	LS		00				, 138
ADD TO & AL			D HOHETNE	! "	ן מכ ו מכ		82 7	50,2			,122)
SUPPORTING FA			R HOUSING	10	ן ו אוכ		. ,	145,1	.68	(Ι,	016) 410
OFF STREET				Įτ	s			l I		,	100)
AREA LIGHTI		_		! -	s		1	! 	1	· `	200)
RECREATION				! -	is !		i			ì	70)
GARAGES				İī	s		i		i	ì	40)
SUBTOTAL				ĺ	i		į		i	5,	548
CONTINGENCY (•			j	j		į		i		277
TOTAL CONTRAC					1		ĺ		İ	5,	825
SUPERVISION,	INSPEC:	TION AND OVE	ERHEAD (3%)	1	1				İ		175
TOTAL REQUEST							- 1		- 1	6,	000
				ļ	Į		1		- 1		
							!				
MOST EXPENSIV	יידואדי		¢175 000	l l	ļ						
AREA COST FACT			\$175,000 0.89	 	İ				l		
10 Descript:											

10. Description of Proposed Construction: Improve 82 Wherry units and 7 | SOQs. Work includes new plumbing, electrical, HVAC systems, refinishing interior surfaces, reconfiguration of functional layout. Improve exterior, install rear entry steel doors, provide patios, privacy fences, | storage sheds, and correct drainage. Add parking areas throughout. | Construct addition to SOQs to add authorized square footage.

11. REQUIREMENT: 5,300 UN ADEQUATE: 3,911 UN SUBSTANDARD: PROJECT: Improve 89 family housing units. (Current Mission) REQUIREMENT: Adequate living quarters are required for families of military members assigned to this base. Improvements needed to Wherry housing units include installation of rear entry steel doors, patios with screens for privacy, and area improvements to facilitate family recreation, safety and quality of life. Provide additional off street parking to alleviate congestion. Additional living space along with minor reconfiguration and upgrades of utilities in the existing structures are necessary to bring these units up to livability standards of similiar quarters both on and off base. Upgrades of electrical, plumbing and HVAC systems are needed to comply with building codes and to improve safety and reliability. All units will meet "whole house" standards and are programmed in accordance with the Housing Community Plan. This is the ninth of multiple phases to provide adequate housing for base personnel. Of the 1,540 units to be improved in this multi-phase initiative, 808 are completed or included in prior programs, and 643 will follow. |CURRENT SITUATION: The Wherry units were constructed in the 1950's and have had no major improvements since original construction. Each building houses between four and 12 families and offers precious little privacy. Because of exposure to weather conditions and heavy usage, the rear entry

Page No

[1. COMPONENT]	2. DATE
FY 1996 MILITARY CONSTRUCTION PROJECT D	DATA
AIR FORCE (computer generated)	i
3. INSTALLATION AND LOCATION	
WRIGHT-PATTERSON AIR FORCE BASE, OHIO	
4. PROJECT TITLE	5. PROJECT NUMBER
 IMPROVE FAMILY HOUSING PHASE 9	ZHTV8200169

wooden doors have deteriorated. Because of high density of this development, the occupants have no outdoor privacy. The SOQs were constructed in 1935 and are located in a proposed historic district. They have had only routine repairs and minor improvements. The wiring and plumbing consist of the original systems in both Wherry and SOQ units mixedwith some newer material added over the years. The SOQs are well below the authorized 1700 NSF. The proposed additions will provide a master bedroom with bath. Two types of Wherry housing units require additions of approximately 344 square feet to reach the authorized space and internal renovation and reconfiguration to meet current housing standards.

| IMPACT IF NOT PROVIDED: Major morale problems will result if this | improvement initiative is not supported. Some Air Force members and their | families will continue to be housed in unsuitable conditions, while | neighbors and friends are in drastically improved units. These units will | continue to deteriorate past the point of repair, resulting in loss of | valuable economic assets to the Air Force. The housing will continue to | be occupied until it becomes uninhabitable because adequate, affordable | housing is unavailable. The current Housing Market Analysis shows a | family housing deficit of 689 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives for replacement construction, improvement, and status quo operation. Based on the net present value and benefits of the respective alternatives, improvement found to be the most cost effective over the life of the project. The cost to improve this housing is 65 percent of the replacement cost.

1. COMPONENT 2. DATE FY 1996 MILITARY CONSTRUCTION PROJECT DATA AIR FORCE (computer generated) 3. INSTALLATION AND LOCATION 4. PROJECT TITLE IMPROVE FAMILY HOUSING F E WARREN AIR FORCE BASE, WYOMING PHASE 1 5. PROGRAM ELEMENT | 6. CATEGORY CODE | 7. PROJECT NUMBER | 8. PROJECT COST (\$000) 8.87.42 711-144 GHLN927185 5,624 9. COST ESTIMATES UNIT COST ITEM U/M QUANTITY COST (\$000) IMPROVE FAMILY HOUSING (PHASE 1) UN ! 52 74,540| 3,876 SUPPORTING FACILITIES 1,324 ASBESTOS/LEAD BASED PAINT REMOVAL LS (510) UNDERGROUND ELECTRICAL/STREET LIGHTING LS (274) OFF STREET TRAIL SYSTEM LS 66) LANDSCAPING/IRRIGATION LS 220) NEIGHBORHOOD ENTRANCE/ROAD CHANGES |LS | 254) SUBTOTAL 5,200 CONTINGENCY (5%) 260 TOTAL CONTRACT COST 5,460 SUPERVISION, INSPECTION AND OVERHEAD (3%) 164 TOTAL REQUEST 5,624 MOST EXPENSIVE UNIT \$106,545 AREA COST FACTOR 1.02

10. Description of Proposed Construction: Provides general interior and exterior modernization and renovation of 52 housing units. Includes upgrading heating and plumbing systems, remodels kitchens & replaces windows. Includes demolition and asbestos/lead-based paint removal. Nieghborhood improvements include tree planting, play area fencing, off street pedestrian trail system, & nieghborhood entrances/road changes.

11. REQUIREMENT: 2,069 UN ADEQUATE: 1,178 UN SUBSTANDARD: PROJECT: Improve Family Housing (Phase 1). (Current Mission) REQUIREMENT: This project is required to provide modern and efficient housing for military members and their dependents stationed at F E Warren AFB. The historic housing must be upgraded to meet current life safety codes and provide a comfortable and appealing living environment comparable to the off-base civilian community. This phase of historic housing was not included in the HCP as it was to be accomplished prior to the HCP being developed. Funds were not available to award the project, so these historic units have been included in a revised HCP phasing plan. This is the first of multiple phases to upgrade 252 houses. No units have been upgraded or approved for upgrade previously. All units will meet "whole house" standards and are programmed in accordance with phase 1 of the revised Housing Community Plan.

CURRENT SITUATION: This project upgrades and modernizes housing constructed between 1885 and 1932. These 100 year old houses require major renovation and repair to correct deterioration resulting from age and heavy use. No major upgrades have been made to these units for 30 years. The units do not meet the needs of today's families, nor do they provide a modern home environment. The existing heating system is the original coal fired, cast iron steam boiler, which was converted to gas.

1,1	. COMPONENT		2. DATE
	FY 1996 MILITARY CONSTRUCTION PROJECT DA	ATA	1
A	IR FORCE (computer generated)		İ
3. 	. INSTALLATION AND LOCATION	*	
F	E WARREN AIR FORCE BASE, WYOMING		
4.	PROJECT TITLE	5.	PROJECT NUMBER
IN	MPROVE FAMILY HOUSING PHASE 1		GHI.N927185

The distribution system is the original one pipe steam line with cast iron radiators. Electrical & plumbing systems do not meet codes. Ground Fault Circuit Interrupter protection is not provided for bathrooms, kitchens, and exterior circuits. Kitchens are old and need remodeling. original lath and plaster walls and ceilings are badly cracked and can no longer be repaired by patching and painting. All flashings, gutters, and downspouts require replacement. This project will bring the units to current standards, and no other improvements are required at this time. IMPACT IF NOT PROVIDED: Units will continue to deteriorate rapidly, resulting in increased operating, maintenance and repair costs to the Government and inconvienence to the residents. Construction of new officer/enlisted housing will be required if these buildings are allowed to deteriorate. Low morale and retention problems can be expected if existing conditions are allowed to continue, since suitable, affordable off-base housing is not available. The most recent Housing Market Analysis shows an on-base housing deficit of 429 units.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An abbreviated economic analysis has been prepared comparing the alternatives of new construction, revitalization, leasing and status quo. Based on the net present values and benefits of the respective alternatives, plus the fact these brick units are on the National Register of Historic Places and cannot be demolished, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 97% of the replacement cost.

1. COMPONENT				-	2.	DATE	ī
FY 199	A İ		ĺ				
AIR FORCE		er gener	ated)		i		ĺ
3. INSTALLATION AND LOCA	ATION		4. PRO	JECT TITL	E		Ī
		1					İ
WOOMERA AS, AUSTRALIA			IMPROV	E FAMILY	HOUSING	PH V	İ
5. PROGRAM ELEMENT 6. CA	ATEGORY CODE	7. PROJ	ECT NUI	MBER 8.	PROJECT	COST (\$000)	Ī
1	*			ļ			İ
8.87.42	711-143	ZGTT	964001	İ		212	İ
	9. COST	r estima	TES				ī
					UNIT	COST	Ī
ITEN	1		U/M	QUANTITY	COST	(\$000)	İ
IMPROVE FAMILY HOUSING I	PH V		UN	3	62,670	188	Ī
SUPPORTING FACILITIES			1	•		8	İ
SITE IMPROVEMENTS			LS			(8)	İ
SUBTOTAL						196	ĺ
CONTINGENCY (5%)			jj			10	İ
TOTAL CONTRACT COST						206	ĺ
SUPERVISION, INSPECTION AND OVERHEAD (3%)				ĺ		6	ĺ
TOTAL REQUEST			ĺĺ			212	ĺ
•			i				ĺ
			i i	i			i

MOST EXPENSIVE UNIT

\$83,347 1.62

|10. Description of Proposed Construction: Replace heating, ventilating, |and air conditioning, exterior siding, doors and windows for 3 housing |units. Install wiring, repaint interior, landscape yards and install |sprinkler system. Renovate downstairs bathroom.

| 11. REQUIREMENT: 27 SF ADEQUATE: 24 SF SUBSTANDARD: 3 SF | PROJECT: Improve Family Housing. (Current Mission)

REQUIREMENT: Adequate housing for military personnel and their families as required by Air Force Quality of Life Standards consistent with the quality of today's housing construction. The housing must be upgraded to meet current life safety codes and to provide a comfortable and appealing living environment comparable to the surrounding community. No other housing is available in this remote desert environment. This project is phase 5 of 5 projects to upgrade 27 houses. All units will meet "whole house" standards. Twenty-four units have been upgraded or are approved in previous phases, and the three remaining are to be accomplished in this

CURRENT SITUATION: The NASA units were constructed in 1960 to then current Australian standards. The original siding has weathered 30 years in this harsh desert environment. Thermal protection is not provided by existing siding. Original window frames are difficult to operate. The reverse cycle HVAC systems were designed for use in the climate of Adelaide, South Australia (a coastal city), not the extreme temperatures found in Woomera (located in the outback). During the summer months, the temperature reaches 112 F and during the winter, below 45 F. These units do not provide sufficient heating and cooling. The galvanized gutter system is corroded. Storm water drainage piping is broken and clogged

from the debris flowing through the rotted gutter system. Village

phase.

1. COMPONENT		2. D	ATE				
FY 1996 MILITARY CONSTRUCTION PROJECT 1	DATA						
AIR FORCE (computer generated)							
3. INSTALLATION AND LOCATION							
WOOMERA AS, AUSTRALIA							
4. PROJECT TITLE	5.	PROJECT	NUMBER				
	- 1						
IMPROVE FAMILY HOUSING PH V	1	ZGTT9640	001				

directives call for reducing sodded areas to 150 Sq Meters per housing unit. All homes exceed this limit.

IMPACT IF NOT PROVIDED: The housing does not satisfy current Air Force Standards. Families are forced to live in facilities that are substandard and not consistent with the quality of today's housing construction. The poor condition of our units stands out like a sore thumb. Woomera is a joint defense community with the Austalian Department of Defense. Our homes are integrated into the overall housing area and do not comply with the Woomera Village housing concept. Morale problems will arise if the community perceives that U. S. military families are living in delapidated units. Further, substandard housing does not portray the desired image of the United States Air Force.

WORK ACCOMPLISHED IN PREVIOUS THREE YEARS: None

WORK PROGRAMMED FOR NEXT THREE YEARS: None

ADDITIONAL: An economic analysis has been prepared comparing the alternatives of new contruction, revitalization, leasing and status quo operation. Based on the net present values and benefits of the respective alternatives, improvement was found to be the most cost efficient over the life of the project. The cost to improve this housing is 40% of the replacement cost.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

ADVANCE PLANNING AND DESIGN

Program (In Thousands)
FY 1996 Program \$8,989
FY 1995 Program \$9,275

Purpose and Scope

This program provides for preliminary studies to develop additional family housing facilities, one time multi-phase design, and housing community plan (HCP) developments; studies for site adaptation and determination of type and design of units; and working drawings, specifications, estimates, project planning reports and final design drawings of family housing construction projects. This includes the use of architectural and engineering services in connection with any family housing new or post acquisition construction program.

Program Summary

Authorization is requested for:

- (1) Advance planning and design for future year housing programs;
- (2) FY 96 Appropriation of \$8,989,000 to fund this effort as outlined in the following exhibit:

Page No. 610

1. COMPONENT										2.	DATE	\exists
,	F3	Y 1996 MILI	TARY CONS	TRUCT	CION	PRO	JECT	DATA	1			- 1
ÀIR FORCE			(computer		rate	ed)				<u> </u>		ᅷ
3. INSTALLAT	ION ANI	LOCATION					JECT :					ļ
					,		HOUS:			Œ		-
VARIOUS AIR	FORCE I	BASES					IG ANI					+
5. PROGRAM E	LEMENT	6. CATEGOR	RY CODE 7.	, PRO	JEC:	וטא י	IBER	8. F	ROJE	CT (OST (\$000) [
į		1	1					<u> </u>				-
8.87.42		711-00				00P2	AD	L			8,989	井
1			9. COST I	estim	ATES	3			UNIT		COST	井
ļ						TT /M	 QUAN	リング・フィック			(\$000)	-
		ITEM				U/M	UUAN.	1111	COS.		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	十
FAMILY HOUSI	NG ADV	ANCE PLANN	INMG AND			LS	ľ	i			8,989	,
DESIGN						20	! 	i			8,989	- :
SUBTOTAL	om coc	m				 	i	: 1			8,989	•
TOTAL CONTRA		1					ί	i			8,989	r=
TOTAL REQUES	+					i	i	i				į
1						i	i	ì			ĺ	İ
 						i	i	İ				Ì
1						İ	İ	İ				1
1						İ	İ					1
						İ	Ì	l				-
i						1					ļ	
i						!	İ					- !
İ						ļ	ļ					-
1							1				! !	ı.
ļ									 		! !	-
	· comon		^	.00		 	 		! 		! 	-
AREA COST FA		f Dropogod			Δ.	rchi	tect-	engi	neer :	ser	vices,	ヿ

10. Description of Proposed Construction: Architect-engineer services, surveys, fees, etc., in connection with advance planning and design of family housing dwelling units and properties included in or proposed for the Air Force Family Housing Account.

11. PROJECT:

REQUIREMENT: The funds requested are necessary to procure architectengineer services to make site and utility investigations; one time
multi-phase design, and housing community plan (HCP) developments; for the
preparation of design and specifications of advance plans for future year
housing programs in connection with any family housing new or post
acquisition construction programs.

IMPACT IF NOT PROVIDED: The funds requested are neccessary to support the development of the Housing Community Plans and to support the new construction and post acquisition construction programs.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

OPERATIONS, UTILITIES AND MAINTENANCE (Excluding Leasing and Debt)

<u>Program (In Thousands)</u>
FY 1996 Program \$733,519
FY 1995 Program \$712,062

Purpose and Scope

- a. Operations. This portion of the program provides for operating expenses in the following sub-accounts:
- (1) Management. Includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporation-Trust Company to provide the required corporate presence in Delaware. United States Air Force Housing, Inc., continues as the entity holding title to Capehart and Wherry real property. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.
- (2) Services. Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal, street cleaning.
- (3) Furnishings. Procures household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; controls furnishings inventories; maintains and repairs such items.
- (4) Miscellaneous. Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments to operate Permit Housing units occupied by Air Force personnel, and similar costs.
- b. <u>Utilities</u>. Includes all utilities serving family housing, purchased and base produced, except telephone.
- c. <u>Maintenance</u>. Provides upkeep of family housing real property, as follows:
- (1) Maintenance/Repair of Dwellings. Service calls, routine maintenance, repairs and replacement.

Page No. 612

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

- (2) Exterior Utilities. Maintenance and repair of water, sewer, electric, heat and gas lines located within family housing areas.
- (3) Other Real Property. Upkeep of grounds, roads, parking areas, and other property for the exclusive use of family housing not discussed above.
- (4) Alteration and Additions. Minor alterations to dwellings or housing support facilities. Larger scope or higher dollar value items are funded in the construction program.

Considering the effects of actual base closures and proposed overseas force structure draw downs, the Air Force family housing budget requests minimum essential resources to provide military families with housing either in the private market, through assistance from a housing referral office, or in government housing. Increased emphasis has been placed on the proper funding of the family housing operations and maintenance program. The Air Force's FY 1996 Operations and Maintenance program includes the following areas of emphasis:

- * Maintain the livability of the existing housing inventory worldwide.
- * Utility consumption per unit is being reduced due to a program of energy goals which places increased management emphasis on conservation and due to whole house improvement efforts.
- * Funding for government appliances and furniture consistent with cost/benefit studies, the delivery of new housing units which need government supplied appliances and the redistribution of appliances from closure bases.
- * Reduction of furnishings inventories in accordance with base closure schedules. Redistribution of excess furnishings from closure bases to the other bases remaining open.
- * Includes \$4.0 million for contract cleaning at overseas locations only. The budgeted amount will allow cleaning of approximately 17,000 units at an average per unit cost of \$256.00.
- * Continuing the special effort to lower operations and maintenance costs in high cost quarters.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996/97 BUDGET REQUEST

This budget request is for funds needed to meet must pay operations and utilities expenses, as well as the maintenance and repair of our existing housing inventory at over 110 major installations. We also provide referral services to members seeking housing in the private sector. The Air Force shares the concerns of the Congress to improve support to military families and to properly maintain the housing inventory. This budget supports a long-range program responding to Congressional desires while considering the current environment of budget restraint.

Operations and Maintenance Program Summary - Highlights
Authorization/Appropriation is requested in FY 1996 for \$733,519,000.
This amount, together with estimated reimbursements of \$13,151,000, will fund the FY 1996 Operations and Maintenance program of \$746,670,000.

A summary of the funding program for FY 1996 is as follows (\$ in thousands):

Operations Util Maint Ttl Direct Reimburse- Total Request Request Request Ment Program \$127,009 \$197,539 \$ 408,971 \$ 733,519 \$ 13,151 \$746,670

AIR FORCE FAMILY HOUSING FY 1996 BUDGET ES (Excludes Leases)	STIMATE		EXHIBIT FH-2 MAJCOM: all	Worldwid
Inventory Data	FY 95		FY96	***************************************
Units in Beginning of Year	=== ==================================	==========	116.576	=======
Units at End of Year	116,576		111,081	
Average Inventory for Year	119,389 === =================================	========	113,829	
Funding Requirements(\$000)	Total Cost	Unit Cost	Total Cost	Ilnit Coet
Operations (Direct)				=======
Management	48,424	406	47,080	4
Services	33,781	283	33,177	2
Furnishings	43,840	367	43,000	3
Miscellaneous	5,794	49	5,678	;
SubTotal Gross Oblig.	131,839	1,104	128,935	1,13
Anticipated Reimbursements	2,408	20	1,926	1
Direct Obligation. Operations	129,431	1,084	127,009	1,11
Jälities - (TOA)	206,990	1,734	206,942	1,81
Inticipated Reimbursements	9,147	77	9,403	8
irect Obligation Utilities	197,843	1,657	197,539	1,73
laintenance				
M&R Dwellings	280,011	2,345	302,151	2,65
M&R Ext. Utilities	48,406	405	50,242	44
M&R Other Real Property	27,743	232	28,683	25
Alter & Add.	28,628	240	29,717	26
SubTotal Gross Obligations	386,564	3,238	410,793	3,609
Anticipated Reimbursements Direct Obligation Maintenance	1,776 384,788	15 3,223	1,822 408,971	16 3,593
and Total, O&M - TOA	725,393	6,076	746,670	6,560
and Total, O&M - NOA		0	733,519	6.444

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST

Operations (\$ in Thousands)

F<u>Y 1996 Request</u> \$127,009

The FY 1996 program represents Air Force family housing requirements and was developed using OSD/OMB approved inflation and foreign currency formulation rates. Adjustments have been made for actual base closures and proposed overseas force structure draw downs. Each program sub-account is described in detail in the following analysis:

Management. The Management account includes installation-level management such as housing office operations, quality assurance evaluators, administrative support, community liaison, and annual service fee paid to the Corporate-Trust Company to provide the required corporate presence in Delaware. Housing referral costs are also included; the housing referral program assists personnel to find quarters in the private sector and implements the Fair Housing Act of 1968.

1.	FY 1995 Appropriation Conference Position:	\$45,076
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$45,076
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 940
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$46,016
10.	Price Growth	\$ 1,334
11.	Functional Program Transfer:	None
12.	Program Increases:	None
13.	Program Decrease: Base Closure, Drawdowns, Demolitions (-5,560 uni	ts) \$-2,196
14.	FY 1996 Budget Request:	\$45,154

Analysis of Change in Management

With fewer houses to support, the Management requirement is reduced. As a result of Round II/III Base Closure, Castle AFB, KI Sawyer AFB, Griffiss AFB, and Plattsburgh AFB were closed in FY95. March AFB will be closed in FY96 as a result of Round III Base Closure.

The Management account is not per unit specific since there is a basic level of support and manning for the housing office regardless of the number of units. The request includes increases for inflation. The increases are offset by a decrease in housing management offices as a result of base closure and drawdown actions.

There is no programmatic growth above inflation.

Page No. 618

<u>Services.</u> Provides basic support services such as refuse collection and disposal; fire and police protection; entomology and pest control; snow removal; street cleaning.

Military Family Housing Activities are effected by many new environmental standards. The environmental legislative changes from states and foreign country's have evolved quicker than planned leading to a highly uncertain ability to predict program growth. New initiatives to control lead based paint, asbestos, leak detection on underground heating fuel storage tanks, spill/overflow protection and corrosion control are also covered within this account. Increases to land fill costs are programmed however we anticipate these to continue to increase in the future.

1.	FY 1995 Appropriation Conference Position:	\$32,724
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$32,724
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	None \$1,057
7.	Program Increases:	None
8.	Program Decreases:	None
9	FY95 Current Estimate:	\$33,781
10.	Price Growth:	\$980
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-1,584
14.	FY 1996 Budget Request:	\$33,177

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (SERVICES CONTINUED)

Exhibit OP-5

Analysis of Changes in Services

With fewer houses to support, the Services requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

<u>Furnishings.</u> Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

While the exact number of military families and timing of the overseas draw down is still occurring, continued support of bases will remain open as necessary to maintain adequate backup stock of appliances and furnishings for our overseas dependent families.

Also, certain furniture items will continue to be needed. Loaner sets of furniture are issued to military families overseas to let them occupy permanent quarters prior to the arrival of personally owned furniture and to let personnel stay in permanent quarters after furniture is shipped due to a change of station. Loaner sets reduce the cost of Temporary Quarters allowances which makes loaner furniture very cost effective. Other items of household furnishings normally built into U.S. houses which are limited or not available in foreign countries, such as wardrobes (clothes closets), kitchen cabinets or appliances, are issued to military families.

Leases in Europe require closets and cabinets to be issued along with the appliances since rental units overseas do not have the same accommodations as are available in the states.

The furnishings account funds essential furnishings at levels consistent with cost/benefit studies and the need of the Air Force. Much of the funding requested in the furnishings account results from an analysis of the most economical use of funds for the government and avoids costs in other accounts such as military allowance and other support appropriations.

1.	FY 1995 Appropriation Conference Position:	\$42,852
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$42,852
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$ 988
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$43,840
10.	Price Growth:	\$ 1,271
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560 units)	\$-2,111
14.	FY 1996 Budget Request:	\$43,000

Analysis of Changes in Furnishing

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

<u>Miscellaneous.</u> Includes mobile home hookups, leased office and warehouse space supporting family housing, payments to other Federal agencies or foreign governments (i.e. United Kingdom, Australia) to operate Permit Housing units occupied by Air Force personnel, and similar costs.

1.	FY 1995 Appropriation Conference Position	\$ 5,794
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$ 5,794
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers:	None
7.	Program Increases:	None
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$ 5,794
10.	Price Growth:	\$ 168
11.	Functional Program Transfers:	None
12.	Program Increases:	None
13.	Program Decreases: Base Closure, Drawdowns, Demolitions (-5,560)	\$ 7-284
14.	FY 1996 Budget Request:	\$ 5,678

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MISCELLANEOUS CONTINUED)

Analysis of Changes in Miscellaneous

With fewer houses to support, the Furnishing requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96/97 as a result of Round III Base Closure.

There are no programmatic increases above inflation.

Utilities. This project provides for all utilities consumed in government-owned family housing. Included is electricity, heating, water, and sewage and waste systems. MFH facilities consume approximately one-fifth of Air Force facility energy usage; therefore, MFH residents and management share a significant role in the achievement of Air Force energy reduction goals. Since MFH occupants are not billed for their energy consumption, conservation motivation must be rooted in other than financial incentives. The single most effective incentive is command emphasis. Energy projects to install set back thermostats, water heater jacket insulation and insulation of crawl and attic spaces have had good results toward the attainment of Air Force energy conservation goals.

1.	FY 1995 Appropriation Conference Position:	\$178,472
2.	Congressional Adjustments:	None
3.	FY 1995 Appropriated Amount:	\$178,472
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6.	Functional Program Transfers: Oahu Housing Transfer from the Army	\$10,340
7.	Program Increases: Recalculation of requirement based on historical data to substantiate that FY 1995 was under budgeted. The FY 1993 actuals and FY 1994 estimated actuals confirmed the additional requirement for FY 1995.	\$ 9,031
8.	Program Decreases:	None
9.	FY95 Current Estimate:	\$197,843
10. a. b.	Price Growth: Inflation Foreign Currency Rate Adjustment to New Budgeted Rates	\$ 5,737 \$ 5,300
11.	Functional Program Transfers:	None

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (UTILITIES CONTINUED)

Exhibit OP-5

12.	Program Increases:	None
13. a. b.	Program Decreases: Energy Conservation Savings Base Closure, Drawdowns, Demolitions (-5,560 units)	\$ -1,694 \$ -9,647
14.	FY 1996 Budget Request:	\$197,539
3 3		

Analysis of Changes in Utilities

With fewer houses to support, the Utility requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710) units will be removed from inventory in FY96/97 as a result of Round III Base Closure.

The burdensharing adjustments with Japan stabilize in FY95 and the downward trend does not appear in FY96 and out.

The requirement for FY 1996 is based on historical obligation trends which continue to be influenced by mild weather and energy conservation savings resulting from whole house improvements and energy conservation projects. The budgeted amount in the FY95 PB was below the historical projections based on an analysis of actual FY93 and actual estimates for FY94.

We anticipate realigning \$9.0M into the Utilities Sub-Account during FY95 to fully fund the requirements based on historical trends from FY89/94. Therefore, after utility costs are corrected in FY95, percentage change from FY96 to FY97 is below inflation. The consumption usage stream shown in the following table is consistent with the Air Force goals of reducing energy consumption and costs.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (UTILITIES CONTINUED)

Exhibit OP-5

UTILITIES (000K)

ENERGY CONSUMPTION	FY 94	<u>FY95</u>	<u>FY96</u>
Electricity	1,797	1,765	1,751
Fuel Oil (Bbls)	396	393	390
Natural Gas (KCF)	6,469	6,393	6,330
Coal (MBTUs)	392	360	356
Purchased Steam (MBTU	is) 580	580	578

The Budget request for utilities in FY 1996 includes the costs of electricity, coal, gas, fuel oil, water and sewage treatment. Overall, utility rates are stabilizing. Continued conservation efforts are reducing consumption and costs. The primary reason for cost growth is due to inflation which is offset by continued emphasis on conservation of utilities.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

<u>Maintenance</u>. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventive maintenance, interior and exterior painting, and major repairs. Provides upkeep of family housing real property.

1.	FY 1995 President's Budget:	\$383,644
2.	Congressional Adjustments: Oahu	\$ 23,500
3.	FY 1995 Appropriated Amount	\$407,144
4.	Proposed Supplementals:	None
5.	Price Growth:	None
6. a. b. c. d.	Functional Program Transfers: Oahu Housing Transfer from the Army Management (940) Services (1,057) Furnishings (988) Utilities (10,340)	\$ - 13,325
7.	Program Increases:	None
8.	Program Decreases: Recalculation to support increased Utility requirement based on historical data from FY 1993/1996	\$-9,031
9.	FY95 Current Estimate:	\$384,788
10. a. b.	Price Growth: Inflation Foreign Currency Rates Adjusted for the Budgeted FCF Rates	\$ 11,159 \$ 5,300
11.	Functional Program Transfers:	None
12. a. b.	Program Increases: Additional Maintenance Dollars added to arrest DMAR growth Quality of Life Increase	\$33,564 \$ 3,500
₽.	Additol of Diffe Increase	ş 3,500

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE CONTINUED)

Exhibit OP-5

13.	Program Decreases:	
a.	Fewer Units to support as a	\$ - 19,194
	result of Base Closures, Drawdowns,	
	Demolitions (-5,560 units)	
b.	Proper Inflation Adjustment	\$- 6,146
c.	Nonpay Purchase Inflation Adjustment	\$- 4,000
14.	FY 1996 Budget Request	\$408,971

Analysis of Changes in Maintenance Program

The above funding profile includes one change to the FY95 appropriated level. We anticipate realigning \$9.0M during FY95 to the Utility Sub-Account to fully fund the requirements based on historical trends from FY89/94.

With fewer houses to support, the Maintenance requirement is reduced. As a result of Round II/III Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffiss AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory in FY95. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

Previously limited maintenance funding and a high occupant turnover has accelerated deterioration of the Air Force's aging housing inventory.

Constrained funding has resulted in a greater reliance on temporary fixes which has in the long run only exacerbated the deterioration of our housing units. In addition, the infrastructure which supports the units is now beyond its projected economic life at most of our installations. Several systems have failed and many are on the verge of failure.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (MAINTENANCE CONTINUED)

Exhibit OP-5

This budget reflects the Air Force corporate decision to increase emphasis on maintenance and repair of our dwellings to ensure availability of quarters which meet existing standards. we use to measure our effectiveness against these standards is to track the impact of the funded program against the Deferred Maintenance and Repair (DMAR). This year, the Air Force has made a concerted effort to scrub DMAR requirements. When funding is lower than maintenance requirements, asset deterioration accerelates and the amount of affected housing units and infrastructure grows. growth is above inflation and also increases the scope of future programmed work. More emergency repairs occur which are disruptive, costly, and man-hour intensive. The backlog also generates other jobs (i.e., delayed roof projects require additional work to fix leaks, patch and paint ceilings, etc.). The Total Maintenance requirements reflected on the DMAR chart (on the following page), reflects only those projects which are required to meet and sustain approved standards.

This request reflects the decision to fund maintenance at a level which partially arrests DMAR growth. As reflected in the DMAR chart, this level of funding will reduce the DMAR growth beginning in FY96.

The following chart illustrates the Backlog of Deferred Maintenance (In then Year \$M).

Fiscal Year	FY 93	FY94	<u>FY95</u>	<u>FY96</u>
Backlog Proj Backlog Actual Closure Offset	1,311 - 223	1,032 755 0	800 865 0	913 TBD 0
O&M Requirement*	441	431	433	424
Total Requirement O&M Funding	1,529 497	1,186 386	1,298 385	1,337 409
O&M Backlog EOY Backlog Red/ (Growth)	1,032 279	800 (4 5)	913 (48)	928 (15)
Inventory	128,083	122,077	119,389	113,829

^{*} Adjusted to revised inflation and inventory numbers.

A one time adjustment occurred at the end of FY93. The FY93 Year-End Backlog of \$1,032M was reduced to \$755M at the start of FY94 due to three reasons: (1) A reduction of \$121M in BRAC III projects removed from the list, (2) \$42M due to bid savings (a more favorable bid environment), and (3) \$95M for projects that were dropped from the list due to a revalidation of requirements. The BRAC units will be closed between FY95 and the end of FY96.

There is an impact on M&R requirements and the DMAR when the level of investment funding is lower than the requirement. We generally have projected the investment impact but have chosen not to use these numbers in the future since the tracking of the unfunded investment program and the related interface with maintenance costs vary so greatly over time that accurate projections become subjective. While we cannot precisely track the value, there are obvious impacts to the O&M program. An investment requirement not funded results in a maintenance requirement that is exceedingly more costly than a newly renovated facility.

If "whole house" renovations are delayed for too long, emergency projects to fix specific systems (i.e. roofs) must be accomplished in the interim, driving up life-cycle costs.

This new method of displaying DMAR has been successful in projecting costs since it requires an annual project validation. This method will bring more discipline and accuracy to our DMAR numbers.

Quality family housing has a great impact on the lives of our members and the readiness of our forces. It is for this reason that we believe the maintenance dollars the Air Force has programmed in this budget will have a payback far greater than that which can be measured in terms of average unit costs.

HISTORICAL HOUSING COST (\$ IN THOUSANDS)

		FY 1994	FY 1995	FY 1996
A.	Number of Units	1,511	1,511	1,511
в.	Improvements	\$ 5,814	\$ 5,030	\$ 3,414
c.	Maint & Repair	\$ <u>2,824</u>	\$ <u>2,401</u>	\$ <u>2,468</u>
	GRAND TOTAL	\$ 8,638	\$ 7,431	\$5,882

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Services to report any expenditures from the maintenance account which will exceed \$15,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes major maintenance and repair actions, we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not affected by the number of projects requested over threshold.

The \$15,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

UNITED STATES

Location	No. <u>Units</u>	Year Built	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
ALABAMA							
Maxwell	45	1934	30.0	3,623	91,100	1,350	397

Narrative: Existing roof tiles are in need of repair. Many tiles are broken and some are missing. Roof penetrations are leaking and must be replaced with new flashing. Portions of decking have rotted and should be replaced.

CALIFORNIA

Travis 68 1957 41.1 1,253 85,204 2,797 None

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation, and other related and incidental work necessary for a complete and usable facility.

30 1957 79.0 1,253 7,500 1,854 None

Narrative: Work includes replacing roofs, carport posts, patio slabs, doors, evaporative coolers, and furnace with 2.5 ton HVAC, overhead electric service entrance to underground, main electrical panels, siding and insulation.

Page No. 634

February 1995

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Also replaces electrical wiring and associated components, and light fixtures. Removes and reinstalls smoke detectors, telephone outlets and devices. Replaces doors, kitchen cabinets, countertops, sinks, garbage disposals, bathroom fixtures, fittings, and floor tiles. Replacement of gypsum board walls, ceilings, finishes, and other related and incidental work necessary for a complete and usable facility.

			Per		Improvements/		
Location	No. Units	Year <u>Built</u>	Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Non-Routine M&R \$K FY89-93)
Vandenberg	172	1959	18.9	1,064	183,008	3,254	None

Narrative: This project is phase 3 of a multiphased project that replaces overhead galvanized water pipes that are corroded and leaking, ruining sheet rock walls/ceilings and light fixtures. The water pipes are full of mineral deposits severely restricting flow resulting in minimal water pressure for showering and washing. The electrical system is a two-prong ungrounded system that is unsafe especially in bathrooms and kitchens. It is incompatible with modern three-prong appliances rendering them unsafe if used on a two-prong system. In addition, the existing 50 Amp services need to be upgraded to handle the increased load of numerous appliances not available in the 1960's. This project will provide grounding and increased electrical capacity where necessary and replace the deteriorated water piping. This project will supply the minimum requirement of reliable water and safe electricity to the homes.

MASSACHUSETTS

<u>Hanscom</u> 1 1957 30.0 1,628 1,628 30.0 None

Narrative: Repair the roof and install new fiberglass sheathing.

NEBRASKA

Offutt	19 1960(2)	23.7	1,190	22,876	450.0	263.0
	1961(1)					
	1963(10)					
	1967(5)					
	1975(1)					

Narrative: Repairs foundations, concrete block basement walls and garage floor slabs, sidewalks, drainage tiles; remove asbestos and lead paint; miscellaneous repairs required to ensure the units remain habitable.

OKLAHOMA

Vance 1 1960 20.0 2,162 2,162 20.0 17.0

Narrative: Existing driveway has deteriorated beyond repair. Surface scaling, cracks, and spalling present a hazardous condition.

February 1995 Page No. 635

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Location	No. Units	Year Built	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)			
SOUTH CAROLINA										
Charleston	<u>.</u> 84	1957	21.5	1,287	108,108	1,651.0	39.0			

Narrative: Work includes replacing deteriorated single pane windows with energy saving double pane windows. Replacement of deteriorated high maintenance wood siding with vinyl siding. Replacement of exterior doors and locks with energy efficient exterior doors. These units were constructed in 1957 and do not meet modern standards of energy efficiency and maintainability. The single pane windows require constant labor intensive maintenance and greatly increased energy consumption. Exterior doors are drafty and are not insulated.

TEXAS

Lackland 8 1958 31.2 1,354 10,834 250 0

Narrative: Shifting foundation has caused extensive cracking in the housing unit. Repairs to foundation, doors, windows, floors, and baseboards must be accomplished.

Randolph 1 1950 45.0 2,134 2,134 45.0 0

Narrative: Basement walls are cracked and window has rotted enabling water to enter when it rains. Sealing walls and replacing windows is required.

56 1950 35.7 2,134 119,497 2,000 66.5

Narrative: Repair columns, wall studs, floor joists, water damaged insulation, and leaking windows. Replace exterior wall finishes.

Sheppard

46 1952 32.0 1,100 50,600 1,472 101.6

Narrative: Renovate kitchen/baths; replace roofs, floor coverings, interior and exterior doors, window blinds, water heater vents, switches, HVAC units, and diffusers. Install ground fault interrupters, doorbells, and rain gutters; paint interiors.

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

Location	No. <u>Units</u>	Year <u>Built</u>	Per Unit Cost	Unit (NSF)	Proj (NSF)	Total Cost(\$K)	Improvements/ Non-Routine M&R \$K FY89-93)
OVERSEAS							
GUAM							
Andersen	100	1960	34	1,150	115,000	3,400.0	None
Narrative: deteriorat						t will replace p roofs.	ce severely
<u>JAPAN</u>							
Kadena	22	1952	20.0	1,401	30,822	400.0	None
	25	1953	20.0	1,427	35,676	500.0	None
	4	1954	20.0	1,056	4,224	80.0	None

Narrative: Phase 1 of a multiphased project to replace interior electrical wiring, switches, outlets, light fixtures, and fuse boxes. The wiring system has reached the end of its useful life and has neither ground wires included with the house wiring nor ground fault interrupters. Project will modernize house wiring system to meet current standards.

32,208

480.0

None

KOREA

24

1953

Osan 8 1975 40.0 1,800 14,400 320.0 271.0

20.0 1,342

Narrative: Repair bathrooms, utilities/HVAC systems and related interior work. Repair exterior walls, concrete patios, fences and landscaping.

SPAIN

Moron 36 1954 36.8 1,190 42,840 1,325.4 None

Narrative: Repair kitchens, bathrooms, laundry areas, windows, doors, roofs, patio, plumbing, and interior electrical utilities. Install covered trash receptacle holding area and enclose laundry area. Replace floor covering, and paint interiors and exteriors of each unit.

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

			Per				Improvements/
	No.	Year	Unit	Unit	Proj	Total	Non-Routine M&R
Location	<u>Units</u>	Built	Cost	(NSF)	(NSF)	Cost(\$K)	\$K FY89-93)

GERMANY

Ramstein 22 1954 53.0 1,400 30,800 1,167.0 None

Narrative: Replace closets and doors; kitchen fixtures, sinks, and cabinets; bathroom fixtures, sinks and tubs; water, heat, radiator, and sewage lines; entrance, exit, fire, and basement doors. Replaces 2-wire electrical system with 3-wire grounded system. Replace electrical fixtures, outlets, switches, fuse boxes, doorbells, and intercom systems. Replace antenna system with master antenna system. Install dishwashers and hardwire fire detection, replace all smoke detectors in stairwells. Repair and replace floor/wall tiles and plaster/paint throughout. Construct laundry area in the bathroom of 18 units.

108 1954 20.5 1,290 139,320 2,218.2 None

Narrative: This project will provide all work necessary to repair kitchens and bathrooms in 108 MFH units. Replace kitchen cabinets, counter tops, floor tiles, baseboards, bathroom tiles, floor coverings, water supply lines, sanitary fixtures, electrical system; provide masonry and painting of walls, ceilings, doors, frames, and closets.

Spangdahlem 24 1956 86.8 1,225 29,400 2,083.1 None

Narrative: Project will repair kitchens, bedrooms, bathrooms, living room balconies, hallways, and stairwells. Replaces electrical distribution, mechanical, ventilation, heating, water, and sewage systems. Replaces 110 volt system, TV antenna system, letter boxes, blinds, grating for basement windows and doors, sanitation systems, stairwell steps and railings, and doors. Provides repairs for landscaping and sidewalks.

The following projects were approved out-of-cycle in FY94:

Travis AFB CA The initial scope of the project was to repair three bathrooms. The scope of the work expanded to replace inadequate electric wiring, insulate the attic, carpet three bedrooms, texture and paint interior walls and renovate the garage for a total cost of \$19,577.

Langley AFB VA Maintenance and repair cost was originally \$12.8K for the highest unit. During paint removal, lead-based paint was encountered. The cost for removal and disposal of lead-based paint was \$5.7K per unit. As a result, the combined cost of \$18.5K exceeds the \$15K Maintenance and Repair threshold.

FAMILY HOUSING REPAIRS (Exceeding \$15K Threshold)

FY94 Out-of-Cycle Continued

Langley AFB VA Waiver was required because this project cost \$27K. The scope of work included repairing termite damage to the joists, studs, and sills. Due to unsafe condition of the units and to prevent any further damages, the maintenance and repair waiver to exceed the \$15K threshold was required.

GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

This information is provided to comply with the 1984 House Appropriations Committee language that requires the Service to report any expenditures from the maintenance account which will exceed \$25,000 per unit.

The number of projects have increased significantly over previous years. This is primarily due to the growing number of units that are waiting on investment funding that must be repaired to continue occupancy of the unit. Since over 60 percent of the average investment project includes maintenance and repair actions we can cover some of the problems through the O&M program. While these projects are shown as a line item, the budget is formulated to an overall maintenance and repair requirement. The overall maintenance requirement is not effected by the number of projects requested over threshold.

The \$25,000 limit has been in effect since 1984 and should be increased to a reasonable limit considering the rate of inflation. We have traditionally held down the number of projects that were over the threshold for the Investment program. This will need to increase since the number of houses waiting for revitalization are increasing. Revising the maintenance limit with inflation would help keep the number of projects over threshold down.

Location	Qtrs <u>ID</u>	Size NSF	Year Built	Oper Total	Util <u>Total</u>	Maint Total	Ttl O&M	High No	n-Routine K FY90-94)
ALABAMA									
MAXWELL	336 334	3,484 3,426	1934 1934	1.0 1.0	3.0 3.0	46.0 46.0	50.0 50.0	46.0 46.0	12.2 26.6

Narrative: Existing roofs require repair. Tiles are broken, roof penetrations are leaking, and portions of decking have rotted.

COLORADO

AF ACADEMY 6776	4.533	1930	.2	1.570.0	71.7	70.0	None
AL ACADEMIA OFF	4,000	100	• ~	1.0/0.0	, ,	,	MOTTE

Narrative: The project replaces 4000 SF of brick paver patio system at the superintendent's quarters. This quarters, also known as the Carlton house, is listed on the national register of historic places. The brick paver system requires replacement because the concrete slab underneath has cracked and heaved allowing the subbase to deteriorate, producing an uneven surface. In addition to being unsightly, the pavers now present a serious tripping hazard.

GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

MARYLAND

ANDREWS 1508 2,704 1946 7.2 3.4 88.0 98.6 88.0 None

Narrative: Work includes applying an exterior insulation and finish system to CMU exterior of family housing residence. Replacement of windows with aluminum windows and existing roof with standing seam metal roof. Existing exterior construction consists of masonry walls which do not provide adequate insulation. Occupant experiences uncomfortable living conditions. In addition, the plain CMU exterior finish does not present a very aesthetic appearance for this General Officer's quarters. Windows are not thermal paned which allows for drafty conditions. Existing roof is leaking requiring continuous maintenance. This single GOQ is surrounded by VOQ cottages which are presently under contract for roof replacements and this project would allow architectural compatibility for this GOQ.

Location	Qtrs <u>ID</u>	Size NSF	Year Built	Oper <u>Total</u>	Util Total	Maint Total	Ttl O&M	High No	provements n-Routine K FY90-94)
TEXAS									
KELLY	108	4,763	1927	1.5	1.8	82.3	85.6	82.3	

Narrative: Remove lead based paint and paint exterior surface. The unit is eligible for registration on the National Historic Register. The surfaces are extremely weather-beaten, peeling, cracking, and flaking to the point that the lead-based paint is exposed and contaminating the soil around the unit.

OVERSEAS

JAPAN

YOKOTA 691 2,554 1975 4.0 10.0 84.0 98.0 84.0 70.0

Narrative: Replaces functionally obsolete windows and sliding glass doors in the living, dining, and bedrooms. The project also increases the soundproofing of the unit which is located near the flightline. This will be accomplished with better sound rated windows and doors which will also increase the energy efficiency.

693 2,022 1975 4.0 10.2 68.2 82.4 68.2 75.0

Narrative: Replaces functionally obsolete kitchen with a modern kitchen layout.

GENERAL OFFICER QUARTERS (Exceeding \$25K Threshold)

KOREA

OSAN 437A 1,864 1975 5.0 3.0 42.0 50.0 42.0 33.0 1065A 1,700 1975 5.0 3.0 42.0 50.0 42.0 33.0

Narrative: Repair bathrooms, utilities/HVAC systems, stairwells, sliding doors, and related interior work. Repairs exterior walls, concrete patio, fences, and landscaping.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

Reimbursement. Includes collections received from rental of Air Force family housing to foreign nationals, civilian and other personnel. Included in the estimate is the anticipated reimbursements due to members who separate voluntarily that are authorized to live in government quarters for up to six months after separation.

1.	FY 1995 Appropriation Conference Position:	\$1	1,139
2.	Congressional Adjustments:		None
3.	FY 1995 Appropriated Amount:	\$1	1,139
4.	Proposed Supplementals:		None
5.	Price Growth:		None
6.	Functional Program Transfers:		None
7.	Program Increases: Net Proceed from the sale of military family housing (including related land improvements)	Ş	52,192
8.	Program Decreases:		None
9.	FY95 Current Estimate:	\$1	3,331
10.	Price Growth:	\$	387
11.	Functional Program Transfers:		None
12.	Program Increases:		None
13.	Program Decreases: Base Closure Drawdowns and Demolition (-5560 units)	\$	- 567
14.	FY 1996 Budget Request: (\$1	3,151

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996/97 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

Analysis of Changes in Reimbursements

Proceeds from the sale of Military Family Housing occured in FY94. In order to make the disbursement of \$2.2M from the proceed of the sale of the housing units, additional reimbursement authority is required in FY95.

With fewer houses to support, the reimbursement requirement is reduced. As a result of Round II Base Closure, Castle AFB (933 units), KI Sawyer AFB (1,655 units), Griffis AFB (950 units), and Plattsburgh AFB (1,639 units) are removed from Air Force housing inventory. March AFB (710 units) will be removed from inventory in FY96 as a result of Round III Base Closure.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES Exhibit OP-5

Leasing. Provides for payment of leasing costs of privately owned housing units for assignment as government quarters. The family housing leasing program provides housing at both domestic and foreign locations when the local economy cannot provide adequate support and the deficit of on-base housing also does not satisfy requirements. The leasing program is authorized by 10 U.S.C. 2828 and provides for payment of rent and operations and maintenance costs of privately owned quarters for assignment as government quarters to military families. This program also includes funds needed to pay for services such as utilities and refuse collection when these services are not part of the contract agreement.

The Air Force continues to rely on the private sector to meet the majority of housing needs. Where the private sector rental markets and on-base housing cannot meet requirements and cost effective alternatives do not exist, short and long-term leases are used. In high cost areas and overseas, the Air Force relies extensively on the leasing program to obtain housing to meet critical housing needs.

Authorization is requested for appropriation of \$115,665,000 to fund leases and related expenses in FY96. The FY 1996 request for family housing leasing points is summarized as follows:

- (1) 9,201 Foreign lease points
- (2) 5,800 Section 801 lease points
- (3) 3,333 Domestic lease points

Foreign Leasing

Leasing in foreign countries is controlled by Congress. First by the number of lease points authorized, then by the review and approval of contract proposals, and finally by the funds appropriated. As overseas base closures occur, foreign leases are terminated as soon as economically possible. The Air Force is using approximately one-half of the authorized foreign lease points. Air Force strategy during the drawdown in Europe is to maximize the use of government-controlled assets thereby providing more affordable housing for our personnel and avoiding expensive off-base housing entitlements. The Air Force has been able to retain some housing areas from closing bases for use at bases that are remaining. In fact, the percentage of personnel able to reside in government controlled quarters is increasing.

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

As the Air Force draws down in Europe, the order of the release of housing assets is placed, where possible, as (1) private rentals (which are usually the most expensive), (2) GRHP and build-to-lease units, and (3) government owned. The exact mix of types of housing will depend upon available assets in each locality. Renewals for leases will be on a year-to-year basis to reduce cost by limiting termination liability. Full authorization is required to allow for sufficient flexibility during restructuring to maximize cost effective solutions.

The lease at Comiso Italy is a special case where repeated efforts by the Air Force to achieve a cost effective solution for termination of the lease have not yet been successful. Therefore, another annual lease payment of \$7.3 million is required even though a buy-out of the lease for \$9.5 million would be the most cost effective long-term solution by saving the U.S. \$4.1 million over the life of the contract. The appropriations conference allowed us to buy-out the lease within existing resources however the authorizations conference was silent on this issue.

Section 801 Leasing

February 1995

This program is helping to reduce our CONUS family housing deficit at sites where Air Force families are seriously affected by housing shortages and high costs.

In FY 1984, Congress authorized testing a new leasing program for U.S. installations in P.L. 98-115, Section 801. Subsequently, nine housing projects were completed and occupied; Eielson AFB, AK, 300 units; Hanscom AFB, MA, 163 units; Goodfellow AFB, TX, 200 units; March AFB, CA, 200 units; Travis AFB, CA 300 units; Ellsworth AFB, SD, 200 units and 828 units; Hurlburt AFB, FL, 300 units; and Cannon AFB, NM, 350 units. The 307 units of the Eielson AFB project will be occupied by 1997. In addition, as part of a combined project with the Naval District of Washington, 828 units for Andrews AFB are scheduled for full occupancy by the 4th quarter of FY95.

DEPARTMENT OF THE AIR FORCE

MILITARY FAMILY HOUSING

FY 1996 BUDGET REQUEST

RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

Domestic Leasing

Domestic leasing provides temporary housing for Air Force families pending availability of permanent housing. For example, Onizuka's Domestic leasing project has provided interim relief for service families assigned to the San Francisco area pending transfer of Moffett NAS housing of the Air Force. This has been an excellent transition procedure to support families in a high cost area while preparing for long term solutions with the transfer of Moffett housing to the Air Force.

Congress has authorized leasing of domestic units (10 U.S.C. 2828) on a temporary basis to satisfy critical requirements until a permanent solution can be found or if more economical than construction.

1.	FY 1995 Appropriation Conference Position:	\$1:	12,757
2.	Congressional Adjustments:		None
3.	FY 1995 Appropriated Amount:	\$13	12,757
4.	Proposed Supplementals:		None
5.	Price Growth:		
6.	Functional Program Transfers:		None
7.	Program Increases:		None
8.	Program Decreases:		None
9.	FY95 Current Estimate:	\$1	12,757
10.	Price Growth:	\$	3,270
11.	Functional Program Transfers:		None

DEPARTMENT OF THE AIR FORCE MILITARY FAMILY HOUSING FY 1996 BUDGET REQUEST ICILIATION OF INCREASES AND DECREASES (LEA

RECONCILIATION OF INCREASES AND DECREASES (LEASING CONTINUED) Exhibit OP-5

- 12. Program Increases:
 Mission adjustment from realignments \$ 6,729
 primarily Singapore, partial occupancy of
 the Eielson and Andrews AFB Section 801 Leases
- 13. Program Decreases:
 Number of Leases, Domestic and Foreign -\$ 7,091
 reduced by actual amounts due to changes
 in Lease agreements
- 14. FY 1996 Budget Request: \$115,665

Analysis of Change in Leasing

The attached Leasing charts reflect changes to the program by locations and type of lease. These requirements are a direct result of changes to mission beddowns and other housing needs.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF LEASED UNITS (Other than Section 801)

LOCATION				I		i sa marangiana	Ī	A-E	
LOCATION		FY 94	γ·····		FY 95		<u> </u>	FY 96	
(OAC)	UNITS	LEASE	COST	UNITS	LEASE	COST	UNITS	LEASE	COST
	AUTH	MONTHS	(\$000)	AUTH	MONTHS	(\$000)	AUTH	MONTHS	(\$000)
DOMESTIC LEASES				1			1		
Los Angeles, CA (47)	60	660	4740						
Los Angeles, CA/AFRTS (47)			\$746	55	660	\$686	55	660	\$686
Harrison, Ar (78)	10	180	\$120	15	180	\$180	15	180	\$180
Holbrook, Az (78)	24	288	\$162	37	444	\$286	40	480	\$310
Moody AFB, GE (78)	25 73	300 876	\$88	0	0	\$0	0	0	\$0
Shaw AFB, SC (78)			\$468	70	840	\$553	64	768	\$510
Onizuka, Ca (83)	86	1,032	\$840	80	980	\$874	50	600	\$547
H ' ' ' '	67	804 0	\$124	0	0	\$0	0	0	\$0
Unassigned	2,988	U	\$0	3,076	0	\$0	3,109	0	\$0
TOTAL DOMESTIC LEASES	3,333	4,140	\$2,548	3,333	3,104	\$2,579	3,333	2,688	\$2,233
FOREIGN LEASES									
Jordan (43)	2	24	\$38	2	24	\$40	2	24	\$43
Cairo, Egypt (51)	3	36	\$33	3	36	\$44	3	36	\$43 \$109
Nairobi, Kenya (51)	1	12	\$22	1	12	\$24	1	12	\$50
Asmara, Eritea (51)	1	12	\$20	1	12	\$23	i	12	\$23
Bangkok (53)	7	84	\$142	7	84	\$150	7	84	\$156
Classified Location (53)	3	36	\$103	3	36	\$108	3	36	\$114
Lajes (78)	1	12	\$8	1	3	\$2	اة	o	\$0
Oson (74)	276	3,312	\$3,328	276	3,312	\$3,573	276	3,312	\$3,615
Singapore (74)	0	0	\$0	o	0	\$0	120	1,440	\$3,857
Alconbury (80)	250	3,000	\$2,510	250	3,000	\$2,617	250	3,000	\$2,617
Ankara (80)	44	528	\$698	32	384	\$521	32	384	\$521
Aviano (80)	657	5,445	\$5,156	857	8,970	\$9,058	857	9,873	\$9,147
Bentwaters (80)	293	3,516	\$3,784	293	3,516	\$3,794	293	3,516	\$3,794
Comiso (80)	460	5,520	\$14,728	460	5,520	\$7,383	460	5,520	\$7,303
Geilenkirchen (80)	1	12	\$27	1	12	\$27	1	12	\$27
Incirlik (80)	110	230	\$891	110	1,320	\$2,332	110	1,320	\$2,332
Izmir (80)	. 10	114	\$349	10	120	\$309	10	120	\$309
Kalkar (80)	36	432	\$724	36	432	\$697	36	432	\$697
Lakenheath (80)	1,065	12,780	\$10,297	1,065	11,540	\$10,287	1,065	11,440	\$9,529
Stavenger (80)	1	12	\$82	1	12	\$90	1	12	\$90
Paris (80)	1	12	\$35	0	0	\$0	0	0	\$0
Ramstein (80)	522	6,281	\$6,193	521	5,232	\$6,125	521	5,082	\$5,357
Rhein Main (80)	376	4,311	\$3,706	225	2,700	\$3,540	226	2,490	\$2,814
Rome (80)	0	0	\$0	0	0	\$0	0	0	\$0
San Vito (80)	150	1,800	\$2,487	150	1,800	\$2,400	150	1,800	\$2,400
Soesterberg (80)	180	2,280	\$2,417	0	0	\$0	0	0	\$0
Spangdahlem (80)	500	6,000	\$6,164	500	6,000	\$6,240	500	6,000	\$6,240
Upper Heyford (80)	50	600	\$715	50	600	\$692	50	600	\$692
Ascension (83)	1	12	\$18	1	12	\$18	1	12	\$18
Copenhagen (83)	4	48	\$31	4	48	\$27	4	48	\$27
Seychelles (83)	2	24	\$40	2	24	\$40	2	24	\$40
Unassigned	4,212	0	\$0	4,357	0	\$0	4,236	0	\$0
Estimated Termation Costs	0	0	o	0	٥	0	اه	0	0
Soesterberg (80)	0	0	\$0	0	اه	\$333	o l	o l	0
TOTAL FOREIGN LEASES	9,201	56,269	\$64,380	9,201	54,554	\$60,103	9,201	56,437	\$61,426
Ţ.							1		
GRAND TOTAL FH-4	12,534	60,409	\$66,928	12,534	57,658	\$62,682	12,534	59,125	\$63,659

DD Form 2458-2, JUN 86

Exhibit FH-4

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE ANALYSIS OF HIGH COST LEASED UNITS (Other than Section 801) FY 1996 and FY 1997

	5000												
	TOTAL		FY94			EV 9.5			9				
LOCATION	LEASES	HÖH HÖH HÖH HÖH HÖH HÖH HÖH HÖH HÖH HÖH	HGH	Fer		261			14.96			FY97	
	Per	TSO	190	3	101	HOH	EST	I E	Ⅱ	EST	HIGH	HIGH	EST
	Country	STIND	Defined	1900		LSOS		COST	COST		COST	COST	
				600	2	Defined	COST	UNITS	Defined	COST	UNITS	Defined	COST
DOMESTIC LEASES													
Los Angeles, Ca		15	12,000	206.000	T.	12 000	207 080	<u>u</u>	000	300	ļ		
Onizuka, Ca		67	2	142,000		201	20,,00	2	2,000	208,100	15	12,000	209,000
None Over \$14K per Year		0	14,000)) !	0	14.000	>	o c	t	0	0 0	£	0
Sub-Total Domestic	224	82		348,000	15	-	207 060	7 4	3	200, 000	0	14,000	
					?		200,102	2		208,100	15		209,000
*Geilenkirchen, Germany	1,283	_	25,590	27,000	•	23 953	27,000	•	20 00	000	,		
	164	_	2,968	35,900	_	1 071	21 78E	- •	23,933	27,000	-	23,953	27,000
*Izmir, Turkey	164	_	2.968	64 773		, ,	61,765	- ,	1,0,1	31,/85	-	1,071	31,785
*Izmir, Turkey	164	-	2.968	63,600	-	, ,	000,10	- ,	1,0,1	57,350	-	1,071	57,350
*lzmir, Turkey	164	_	2.968	39 650	- ,	, ,	015,05	- 1	1,0,1	56,310	-	1,071	56,310
*Izmir, Turkey	164	-	2 968	000,00	- ,	,,	35,110	_	1,071	35,110	-	1,071	35,110
*Izmir, Turkey	164	-	2 968	22,50	- ,	0, 0	33,910		1,071	33,910	-	1,071	33,910
•	164		2,000	22,700		1,0,1	20,100	-	1,071	20,100	-	1,071	20,100
	184	- •	2,000	22,300		1,071	20,272	_	1,071	20,272	-	1,071	20,272
*Izmir, Turkev	184		2,000	22,400	- •	1,071	19,830	_	1,071	19,830	-	1,071	19,830
	5 0	- c	11 004	38,777	- (1,071	34,333	_	1,071	34,333	_	1,071	34,333
**Stavander Novers	•	•	100,11	30,14	5			0			0		
Sembawan Singanora	-	_	11,994	41,000	_	20,080	90,000	-	20,080	90,000	_	20.080	000
***Paris France	-	4/14		- 6	-			120		3,857,000	120		4.059.000
***Consorbagos Demost	- '	¥ :	۷ : 2 :	35,000	ĕ Z	۷ X	0	۷/۷	A/N	0	W/N	A/N	000
*** Americagen, Denniars	4 (∀ :	۷ : 2	31,000	۷ X	Α X	27,000	A/N	K/N	27,000	A/N	Δ Z	27 000
*** Annual, Colodii	7	۷ : 2 :	∀	38,000	۷ X	۷ X	40,000	A/A	A/A	43,000	A/Z	Z Ž	200,44
	-	∀ Z	 ∀ Z	35,000	۷ X	۷/۷	23,000	A/A	۷ ک	23.000	Ž		2000
- Cairo, Egypt	m	۷ Z	۷ X	102,000	Υ/Z	A/N	109,000	A/N	ν N	109,000		(<u> </u>	23,000
Nairobi, Kenya	7	۷ ۷	Α/N	22,000	۷/۷	۷/۷	50,000	۷ X	δ/X	20,000		(;	000,601
Bangkok, Thailand	7	۷/۷	K/X	142,000	۷/Z	₹ Ž	150,000	Α'N	δ/N	156,000		۷ : ک	20,000
Classified Location		N/A	N/A	103,000	N/A	A/N	108,000	×	Z A	114,000	4/Z	۷ : 2	162,000
Sub-Total Foreign		Ξ		966.000	-		033 000	121		200,1	K/N	۷/۷ ۲/۷	120,000
					:		000,656	2		4,805,000	131		5,022,000
GRAND TOTAL FH-4A		93	A/N	1,314,000	26	A/N	1,140,060	146	4/2	2010	;	T	
						1			7	2,013,100	146	ΨN	5,231,000

The HIGH COST domestic leases range between \$12k and \$14k per year. No domestic lease exceeds \$14K per year.

The adjusted cost cap for overseas leases is determined by multiplying \$20k times the FY 88 exchange rate divided by the FY 96 exchange rate. Leases exceeding this cap are defined as HIGH COST and are counted against the number of high cost leases allowed.

^{**} Oslo lease moved to Stavanger in mid FY94

^{•••} State Department pool leases do not count against the total number of high cost leases allowed.

FAMILY HOUSING, DEPARTMENT OF THE AIR FORCE SECTION 801 FAMILY HOUSING SUMMARY (Dollars In Thousands)

FY 1996

	02	FY OF	DATE	DATE OF					
LOCATION	NO. OF	AIITH	AWABD	FULL	FY94	FY95	FY95	FY96	FY96
			GIVAV	10000	20313	o Lino	20213	OINIO	CUSIS
Hanscom AFB, MA	163	FY84	SEP 85	OCT 87	\$2,812	163	\$3,183	C 0 F	\$2.834
Goodfellow AFB, TX	200	FY86	SEP 86	JAN 88	\$1,881	200	\$2,131	200	\$2,155
Andrews AFB MD	828	FY90	SEP 91	SEPT 95	\$409	828	\$7,952	828	\$10,417
Hurlburt AFB FL	300	FY90	06 NNC	JUL 92	\$3,224	300	\$3,399	300	\$3,275
March AFB, CA	200	FY86	NOV 87	NOV 88	\$1,723	200	\$1,656	200	\$1,056
Travis AFB, CA	300	FY88	SEP 89	AUG 91	\$4,028	300	\$4,058	300	\$4,058
Eielson AFB, AK	300	FY84	JAN 85	30L 86	\$4,830	300	\$5,065	300	\$4,901
Eielson AFB, AK	396	FY91	SEP 91	AUG 97	\$71	158	\$4,262	280	\$6,241
Ellsworth AFB (2), SD	828	FY88	AUG 89	JUN 91	\$10,350	828	\$10,413	828	\$10,413
Ellsworth AFB, SD	200	FY88	68 NNC	JUL 90	\$2,284	200	\$2,590	200	\$2.590
Cannon AFB, NM	320	FY88	JUN 91	AUG 93	\$3,733	350	\$4,066	350	\$4,066
SIOH Estimate/Maintenance							\$1,300	'	
ANNUAL REQUIREMENT	4,035	N/A	N/A	N/A	\$35,345	3,827	\$50,075	3,949	\$52.006
Unused Lease Points	1,765				\$0	1,973	\$0	1,851	0\$
GRAND TOTAL FH-5	5,800	N/A	N/A	N/A	\$35,345	5,800	\$50,075	5,800	\$52,006
				THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAMED IN COLUMN TWO IS NAM					

Exhibit FH-E

229 UNITS have been delivered by the end of Jan 95; projected delivery includes 65 UNITS, Feb 95; 104 UNITS, May 95; 88 UNITS, JUN 95; 84 UNITS, July 95; 56 UNITS, AUG 95; and 202 UNITS, Sept 95; which delivers the last of the 828 UNITS. ANDREWS SCHEDULE

30 UNITS, JUNE 95; 37 UNITS, AUG 95 and 91 UNITS, SEPT 95 for 158 UNITS in FY 95; 24 UNITS, OCT 95; 35 UNITS, NOVEMBER 95; 36 UNITS, MARCH 96; 27 UNITS, AUG 95 for 280 UNITS in operation in FY 96; 35 UNITS, JAN 97; 35 UNITS, MARCH 97; and 16 units in AUG 97 for ALL 366 UNITS operating by end of FY 97. EIELSON SCHEDULE

DEBT PAYMENT

Program (in Thousands)
FY 1996 Program \$29

Purpose and Scope

The Debt Payment program continues in FY 1996/97 in name only, as the last of the Capehart and Wherry mortgages were liquidated in FY 1989.

This program includes payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel prior to FY 1980.

Program Summary

Authorization is requested for the appropriation of \$29,000 for FY96:

(\$ In Thousands)	FY 1995 ESTIMATE	FY 1996 ESTIMATE
Servicemen's Mortgage Insurance Premiums	26	29
TOTAL OBLIGATING AUTHORITY (TOA)	26	29
Principal Payment Capehart Wherry Subtotal	0 0 0	0 0 0
TOTAL REQUIREMENTS (BUDGET AUTHORITY PLUS APPROPRIATION):	26	29

DING QUARTER TANGOL I. 17.4

Servicemen's Mortgage Insurance Premiums

Servicemen's Mortgage Insurance Premiums, Section 124, Public Law 560, 83rd Congress, The Housing Act of 1954, aids in providing homes for members of the Armed Forces of the United States and their families through a system of FHA mortgage insurance especially designed to assist such members in financing the construction or purchase of homes.

This program was discontinued through Public Law 93-130 (Military Construction Appropriation Act, 1980) which allowed coverage only on existing mortgages covered prior to FY 1980. The amount needed to continue funding premiums on mortgages existing prior to FY 1980 continues to decrease. The program for FY 1995 and FY 1996 is as follows:

Fiscal Year	Number	Average Payment/YR	<u>Amount (\$000)</u>
1995	143	182	26
1996	160	182	29